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COMMERCIAL FEEDS REPORT

Issued By

The Department of Agriculture, State of Montana, Helena, Montana

P. C. Gaines

Chemistry Research Department
Montana State College
Bozeman, Montana

TEB 27 1979

The Agricultural Experiment Station, Montana State College, Bozeman, Montana
and

VOLUME I, PAGE 1, 1953

MONTANA STATE LIBRARY
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Helena, Montana 59601

Name & Address of Manufacturer with Brand Name	Place of Collection	Registration No.	Protein		Equivalent Crude Protein		Fat Claimed	Fat Found	Fiber Claimed	Fiber Found
			Claimed	Found	Claimed	Found				
MONTANA VEGETABLE OIL & FEED COMPANY										
Great Falls, Montana										
Montana 34% Linseed Meal	Bozeman	4208	34.0	28.3			3.5	4.4	9.0	11.7
AMERICAN CRYSTAL SUGAR COMPANY										
Denver, Colorado										
Molasses Dried Beet Pulp	Bozeman	4220	7.0	7.9			0.3	1.3	20.0	21.5
FARMERS UNION GRAIN TERMINAL ASS'N.										
Great Falls, Montana										
32% Standard Poultry Concentrate	Bozeman	4862	32	32.8			4.0	6.3	8.0	7.8
MISCO MILLS, Div. of Centennial Flouring Mills										
Missoula, Montana										
Egg Mash 20%	Bozeman	4291	20.0	19.9			3.0	5.0	8.0	8.0
Egg Mash 20%	Bozeman	4291	20.0	20.0			3.0	4.6	8.0	8.0
Rabbit Pellets	Bozeman	4313	15.0	16.5			2.5	3.6	12.0	11.8
Pellet 20's Sheep & Cattle Pellets	Bozeman	4307	20.0	20.3			2.5	4.0	9.0	9.0
Econo-Dairy Feed 16%	Bozeman	4324	16.9	17.7	5.33	5.1	2.5	3.1	10.0	7.3
Hi-Energy Builder Mash	Bozeman	4290	27.0	22.3			3.0	4.4	4.0	4.0
Chick Starter Mash	Bozeman	4287	18.0	19.1			2.5	4.6	8.0	7.9
Developer Scratch	Bozeman	4296	9.0	11.6			2.5	3.1	5.0	2.7
Scratch Feed	Bozeman	4297	9.0	10.5			2.5	3.1	5.0	2.6
Chick Scratch	Bozeman	4295	9.0	10.4			2.5	2.6	5.0	2.8
Sow & Pig Builder	Bozeman	4305	16.0	18.1			3.0	3.7	9.0	9.0
Hog Feeds	Bozeman	4304	13.0	14.2			2.5	3.8	10.0	7.3
Chick Starter Mash	Bozeman	4287	18.0	19.3			2.5	4.4	8.0	8.0
Calf Meal	Bozeman	4280	22.0	22.5			2.5	3.7	6.0	8.3
Calf Pellets	Bozeman	1048	22.0	22.6			2.5	3.9	7.0	8.6
Poultry Breeder Pellets	Bozeman	4233	20.0	20.3			2.5	4.5	9.0	9.0
Dairy Concentrate	Bozeman	4286	32.0	32.3			2.0	5.2	10.0	10.8
Econo-Dairy Feed 16%	Bozeman	4224	16.0	16.9	5.33	5.3	2.5	2.8	10.0	6.4
Shoquene	Bozeman	4315	11.0	11.8			2.5	4.3	9.0	6.5
Hi-Energy Broiler Feed	Bozeman	4290	22.0	22.1			3.0	4.5	4.0	4.0
Hog Concentrates	Bozeman	4206	32.0	34.0			2.0	3.9	10.0	10.0
Linseed High A'st	Bozeman	†		34.4				3.9		11.8
All Purpose Mash	Bozeman	4289	17.0	18.2			3.0	4.1	7.0	8.2
Vitameal	Bozeman	4281	26.0	29.4			3.0	3.7	5.0	6.9
Pellet 20's	Bozeman	4307	20.0	21.0			2.5	3.9	9.0	9.0
Calf Finisher Pellets	Bozeman	4283	15.0	16.9			3.0	3.6	9.0	8.4
Calf Weaner Pellets	Bozeman	4282	16.0	18.7			3.0	3.8	9.0	9.0
High Protein Supplement	Bozeman	4308	32.0	32.9			2.0	4.7	10.0	11.3
Beef Finisher	Bozeman	4310	13.0	14.5			2.5	3.3	9.0	6.5
Econo-Cubes	Bozeman	4323	20.0	22.1	6.66	6.6	2.5	3.3	9.0	7.0
HONEYMEAD PRODUCTS COMPANY										
Mankato, Minnesota										
Soybean Oil Meal, Toast Tested	Bozeman	†	44.0	45.8			0.5	4.3	7.0	7.0
JOSEPH SCHLITZ BREWING COMPANY										
Milwaukee 11, Wisconsin										
Schlitz Brewer's Dried Yeast	Bozeman	†	40.0	41.6			0.7	1.3	5.0	5.0
NATIONAL VITAMIN PRODUCTS, INC.										
Minneapolis 6, Minnesota										
Calvita	Bozeman	4501	26.0	26.5			8.0	8.3	2.5	3.6
SIMMONS STOCK GRO										
Chicago 1, Illinois										
Pail-O-Dried Skim Milk & Whey†	Bozeman	4351		19.1			T			1.1

Violations In Bold Type

†-Not Tagged Properly

‡-Not Registered



Albert H. Kruse
Commissioner of Agriculture
State of Montana
Helena, Montana

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The Department of Agriculture, State of Montana, Helena, Montana
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VOLUME I, PAGE 2, 1953

Name & Address of Manufacturer with Brand Name	Place of Collection	Registra- tion No.	Protein Found	Equivalent Crude Protein		Fat Claimed	Fiber Claimed	Fiber Found						
				Crude Found	Crude Claimed									
MONTANA FLOUR MILLS COMPANY														
Great Falls, Montana														
Ceretana Econo-Milk Dairy Ration -----	Bozeman	4509	16.0	17.3	3.0	2.5	3.5	3.8	11.0	9.6				
Ceretana Calf Finishing Pellets -----	Bozeman	4592	15.0	16.6			4.0	4.8	8.0	6.5				
Ceretana Hog Fattener -----	Bozeman	4598	14.0	15.6			3.5	3.9	7.0	6.1				
Ceretana Calf & Lamb Starter -----	Bozeman	4601	24.0	24.6			4.0	4.5	7.0	7.0				
Ceretana All-Mash Starter & Developer -----	Bozeman	4580	18.0	21.2			3.5	3.8	7.5	6.3				
Ceretana Growing Mash -----	Bozeman	4584	18.0	18.1			4.0	4.3	8.0	8.0				
Ceretana Hi-Power -----														
32% Pig & Hog Supplement -----	Bozeman	4595	32.0	36.1			4.5	4.7	10.0	9.2				
Ceretana Hi-Power -----														
32% Poultry Concentrate -----	Bozeman	4590	32.0	35.7			4.5	4.5	8.5	10.5				
Ceretana Hi-Power Molas-O-Cake -----	Bozeman	4602	20.0	24.0	5.0	6.3	3.0	3.0	10.0	8.5				
Ceretana All Mash Grower -----	Bozeman	4583	15.0	17.1			3.5	3.9	8.0	7.7				
Ceretana Hi-Calorie Broiler Mash -----	Bozeman	4586	20.0	24.0			4.5	4.3	4.0	4.6				
Baby Chick & Turkey Scratch -----	Bozeman	4576	10.0	11.5			2.0	2.3	4.0	3.0				
Turkey Grower -----	Bozeman	4552	20.0	22.0			4.0	5.6	9.0	8.4				
Ceretana 20% Flushing Pellets -----	Bozeman	†	20.0	21.3	8.75	6.3	3.0	3.1	10.0	12.5				
Ceretana Oat-B-Mineralized Cake -----	Bozeman	4605	12.0	13.3			3.5	3.1	11.0	9.4				
Ceretana All Lay Mash -----	Bozeman	4587	15.5	18.8			3.0	3.7	8.0	7.0				
Ceretana Intermediate Scratch -----	Bozeman	4577	10.0	10.5			2.0	3.0	4.0	2.6				
Ceretana Hi-Power Molas-O-Cubes -----	Bozeman	4602	20.0	21.1	5.0	4.0	3.0	3.5	10.0	7.9				
Ceretana Egg Mash 20% -----	Bozeman	4588	20.0	20.7			3.5	4.4	8.0	8.0				
Ceretana Breeder's Egg Mash -----	Bozeman	4587	20.0	22.1			3.5	4.4	9.0	8.6				
Hi-Power Molas-O-Cake Breeder Pellets -----	Bozeman	4606	20.0	22.3			3.0	3.8	10.0	9.8				
Ceretana Hi-Power -----														
32% Dairy Mix Supplement -----	Bozeman	4308	32.0	38.9	8.75	9.6	3.0	4.3	9.0	7.4				
DAWES PRODUCTS COMPANY														
Chicago, Illinois														
Dawes Dry-D† -----	Bozeman	4941		26.8			6.6							
Dawes Begin -----	Bozeman	4912	27.0	27.6			6.0	4.0	1.0	1.0				
Pioneer Vitamin Concentrate -----	Bozeman	4938	31.0	26.0			2.0	4.1	6.0	1.3				
Dawes' Vitameal -----	Bozeman	4936	34.0	37.2			2.0	4.9	7.0	7.0				
Dawes' Ad-Seal-IN† -----	Bozeman	†		37.1			6.3			3.3				
Dawes' Antibiotic Feed Supplement† -----	Bozeman	4939		40.0			5.1			15.9				
RANCHERS COTTON OIL COMPANY														
Fresno, California														
Bar Non-Cottonseed Meal -----	Bozeman	4436	41.0	49.9			0.5	2.2	14.0	9.9				
PRODUCERS COTTON OIL COMPANY														
Fresno, California														
Producers 45% Cottonseed Meal -----	Bozeman	4215	43.0	47.2			3.5	5.3	12.0	11.1				
HANSEN PACKING COMPANY														
Butte, Montana														
Vitamin Hi-Protein Chicken Food -----	Bozeman	4972	43.0	48.0			6.0	9.9	2.0	3.2				
JOHN R. DAILY, INC.														
Missoula, Montana														
Daily's Meat & Bone Scraps -----	Bozeman	4976	45.0	49.6			12.0	10.3	3.0	3.0				
RALSTON PURINA COMPANY														
St. Louis, Missouri														
PURINA Bulky Las A -----	Bozeman	4343	10.0	12.2			1.5	2.7	10.0	8.9				
PURINA D & F Chow -----	Bozeman	4337	12.5	18.3		3.5	2.5	3.2	12.0	7.9				
PURINA Range Breeder Checker A -----	Bozeman	4354	20.0	20.3			2.0	3.0	10.0	6.7				
PURINA Range Checkers B -----	Bozeman	4356	20.0	22.3	5.5	5.8	2.0	2.8	8.0	5.3				
PURINA Beef Chow -----	Bozeman	4351	32.0	31.7			3.5	2.8	8.0	8.0				
Steer Fatena A -----	Bozeman	†	20.0	20.4			2.5	2.7	14.0	15.9				

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VOLUME I, PAGE 3, 1953

Name & Address of Manufacturer with Brand Name	Place of Collection	Registration No.	Protein		Equivalent Crude Protein.		Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
RALSTON PURINA COMPANY										
St. Louis, Missouri										
Pig Startena A	Bozeman	4347	18.0	20.3			3.0	3.8	6.0	6.0
.005% 3-Nitro-4-Hydroxyphenylarsonic acid and .0125% sulfaquinoxaline in										
Purina Chow Starter A	Bozeman	4411	22.0	22.4			3.0	4.7	5.0	5.0
PURINA Layena A (complete ration)	Bozeman	4386	15.5	16.8			3.0	4.0	6.0	6.8
PURINA Layena A Mash (complete ration)	Bozeman	4386	15.5	16.6			3.0	4.0	6.0	6.6
PURINA Chowder	Bozeman	4397	36.0	36.5			1.5	2.9	9.0	9.0
Turkey Growena	Bozeman	4223	20.0	20.2			3.0	3.3	7.0	6.6
Chick Growing Chow	Bozeman	4380	23.0	23.3			2.0	3.2	8.0	7.3
Proteena Dairy Feed A	Bozeman	4344	16.0	17.0			2.5	3.2	12.0	7.5
PURINA Sow & Pig Chow (supplement)	Bozeman	4345	32.0	32.1			2.5	4.6	11.0	7.3
PURINA Hen Chow Supplement	Bozeman	4349	36.0	37.3			2.0	7.1	10.0	7.3
PURINA Cow Chow Concentrate	Bozeman	4339	32.0	30.3	8.75	6.8	1.5	5.6	7.0	9.3
PURINA Calf Startena	Bozeman	4336	19.5	18.4			2.5	3.7	9.5	8.1
PURINA RABBIT CHOW CHECKERS (complete ration)	Bozeman	4373	15.0	16.0			2.0	3.1	18.0	16.6
PURINA Flock Chow	Bozeman	4391	13.0	17.5			2.5	4.2	8.0	6.2
PURINA Lay Chow	Bozeman	4389	20.0	18.7			2.5	3.7	6.5	6.1
Chick Startena	Bozeman	4376	20.0	21.1			3.0	4.9	5.0	5.0
Mink Chow	Bozeman	4371	11.0	14.3			2.5	2.8	6.0	4.6
Breeder Starter	Bozeman	4108	22.0	22.1			3.0	4.0	5.0	5.8
Breeder Chow Finisher	Bozeman	4113	18.0	16.9			3.0	4.0	4.5	4.5
Hen Chow	Bozeman	4500	9.0	8.9			2.0	3.4	5.0	2.6
Chick Growena	Bozeman	4378	17.0	20.3			3.0	3.8	7.0	6.0
PURINA Poultry Booster Checkers	Bozeman	4394	24.0	24.8			2.5	3.7	8.0	7.2
Turkey Starter	Bozeman	4122	21.0	25.0			2.5	3.7	7.0	7.0
Turkey Growing Chow Checkers	Bozeman	4425	26.0	26.7			2.5	3.0	8.0	8.0
Breeder Lay Chow	Bozeman	4337	20.0	21.0			2.5	4.0	6.0	7.4
D & F Chow Supplement A	Bozeman	4338	13.0	18.0			2.0	2.1	10.0	9.2
PURINA Calf Chow Checkers	Bozeman	4337	27.0	26.1			2.5	3.6	7.5	8.4
.005% 3-Nitro-4-Hydroxyphenylarsonic acid in Purina Broiler Chow Starter A	Bozeman	4410	22.0	23.0			3.0	4.1	5.0	5.0
PURINA Omolene A	Bozeman	4366	10.0	12.4			2.5	3.3	11.0	7.2
PURINA Calf Meal	Bozeman	4387	27.0	27.0			2.5	1.6	5.0	6.5
PURINA Fat Calf Chow	Bozeman	4352	14.0	18.5			2.5	3.3	8.0	8.0
PURINA Creep Chow A	Bozeman	4361	13.0	17.0			2.0	3.5	6.0	7.7
FARMERS UNION GRAIN TERMINAL ASS'N.										
Great Falls, Montana										
GTA 20% Range Cake	Bozeman	4837	20.0	20.2	4.0	5.0	3.5	2.7	9.5	7.4
GTA Rabbit Pelletst	Bozeman	4845		16.3				1.5		13.7
GTA Calf Starter Food	Bozeman	4351	24.0	26.6			3.8	3.3	6.7	6.1
GTA Calf Grower Meal	Bozeman	4550	20.0	20.7			3.8	3.9	8.2	9.6
GTA 20% Egg Mash	Bozeman	4864	20.0	20.6			3.9	4.9	7.8	7.8
GTA Chick Scratcht	Bozeman	4699		10.6				2.0		3.9
GTA Hen Scratcht	Bozeman	4701		10.3				1.3		4.3
GTA 18% Poultry Growing Mash	Bozeman	4367	18.0	18.0			3.5	5.0	7.9	7.9
GTA 20% Hog Concentrate	Bozeman	4356	30.0	23.1			4.0	4.0	8.0	8.9
GTA Buttermilk Poultry†	Bozeman	4366		14.9				2.4		7.2
GTA Calf Feeding Feed	Bozeman	4349	13.0	19.5		2.0	3.7	3.1	8.5	8.4
GTA 20% Egg Mash	Bozeman	4364	20.0	21.0			3.9	5.0	7.8	7.8
GTA Special 20 Chick Starter	Bozeman	4389	20.0	20.1			4.0	5.3	7.0	9.0
GTA 32% Dairy Concentrate	Bozeman	4932	32.0	32.3	5.0	4.8	4.0	3.7	9.5	9.3
GTA Special 25 Sow & Pig Balancer	Bozeman	4355	23.0	23.0			4.0	5.2	7.5	7.5
GTA Sweet 16 Dairy Feed	Bozeman	4343	16.0	15.6	4.0	1.2	3.5	2.9	10.0	7.1
GTA Lay Mash Balancer	Bozeman	4361	30.0	31.2			4.5	5.4	7.5	7.3
GTA 18% Laying Mash	Bozeman	4385	18.0	18.0			3.7	4.3	8.2	7.8

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VOLUME I, PAGE 4, 1953

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			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
FARMERS UNION GRAIN TERMINAL ASS'N.										
Great Falls, Montana										
GTA All-Mash Starter & Developer -----	Bozeman	4870	17.5	17.5			3.5	5.8	7.5	6.8
GTA Horse Feed Pellets -----	Bozeman	4846	15.5	17.2			3.5	5.1	10.0	9.5
SWIFT & COMPANY										
Chicago, Illinois										
Swift's Cattle Concentrate -----	Bridger	4491	32.0	32.7	7.86	7.3	3.0	5.6	7.5	7.5
Swift's Dairy Concentrate -----	Bridger	†	36.0	37.1			4.0	5.6	7.5	9.6
Swift's Growing Mash -----	Bridger	4495	18.0	18.6			2.5	4.9	8.0	8.0
Swift's Chick Starter -----	Bridger	4496	20.0	21.0			3.0	5.0	6.5	6.1
Swift's Soybean Oil Meal 42% -----	Bridger	4412	42.0	42.6			3.5	5.3	7.0	7.0
Swift's 40% Swine Concentrate -----	Bridger	4493	40.0	39.2			2.0	6.8	8.5	8.3
FARMERS UNION GRAIN & SUPPLY OF WILLISTON										
Williston, North Dakota										
GTA Calf Meal -----	Billings	5025	24.0	29.8			4.5	4.9	6.5	5.9
GTA Fortified Laying Mash -----	Billings	5033	20.0	23.2			3.5	3.6	7.5	8.3
Dairy Concentrate -----	Billings	5031	32.0	31.6		6.3		5.4		11.2
GTA Fortified Poultry Concentrate -----	Billings	5019	32.0	36.3			4.5	6.0	8.5	11.3
GTA Chick Starter -----	Billings	5027	18.0	19.3			3.0	3.9	6.0	6.0
GTA Fortified Hog Concentrate -----	Billings	5020	32.0	35.4			4.5	7.3	8.0	11.8
GTA 20% Fortified Sheep & Cattle Pellets -----	Billings	5022	20.0	26.1	6.6	6.4	3.0	6.0	10.0	9.7
GTA Chick Grower -----	Billings	5026	17.0	18.1				4.1		8.3
PHILLIP R. PARK, INC.										
San Pedro & Fontana, California										
Manamar for Pig & Hog -----	Red Lodge	4250	35.0	38.4			3.5	5.1	10.0	10.0
Mixing Manamar -----	Red Lodge	4255	24.0	29.1			3.0	6.5	10.0	12.0
CARGILL INCORPORATED										
Minneapolis, Minnesota										
Cargill's 42% Concentrate -----	Red Lodge	†	42.0	46.2			0.5	3.7	7.0	7.0
PIERCE PACKING COMPANY										
Billings, Montana										
Meat Scraps & Bone Meal -----	Red Lodge	4483	50.0	54.1			8.5	9.5	3.5	3.5
RANCHERS COTTON OIL COMPANY										
Fresno, California										
Bar None 41% Cottonseed Meal -----	Red Lodge	4436	41.0	44.2			0.5	1.7	12.0	13.0
WESTERN CONDENSING CO.										
Appleton, Wisconsin										
Dried Whole Whey Fermentation Solubles -----	Bozeman	4326	12.0	12.2			0.5	0.8	0.0	0.0
GREAT FALLS MEAT COMPANY										
Great Falls, Montana										
Meat & Bone Meal -----	Bozeman	†	45.0	53.3			8.0	9.8	3.5	3.5
CANADIAN FISHING CO., LTD.										
Vancouver, B. C.										
Fish Meal -----	Bozeman	†		70.3				8.7		1.2
LEDERLE, LAB., DIVISION AMERICAN CYANAMID										
New York, New York										
Fortafeed Brand Feed Supplement -----	Bozeman	4547	10.0	18.1			2.0	4.0	7.0	5.1
THE QUAKER OATS COMPANY										
Chicago, Illinois										
Full-O-Pep Scratch Grains -----	Billings	4748	8.5	10.6			2.5	4.1	3.0	2.3
Ful-O-Pep Super Grains -----	Billings	4749	19.0	20.0			4.0	5.7	8.0	7.3
Ful-O-Pep Fine Chick Grains -----	Billings	4744	9.0	10.0			2.0	3.4	3.5	2.2
Ful-O-Pep 32% Cattle Feed Concentrate -----	Billings	4710	32.0	31.9			2.0	3.0	10.0	10.0

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VOLUME I PAGE 5 OCTOBER, 1953

Name & Address of Manufacturer with Brand Name	Place of Collection	Registration No.	Protein		Crude Protein		Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
OCCIDENT ELEVATOR										
Billings, Montana										
Occident Green Tag Stock Cubes	Miles City	4637	20.0	25.0	4.0	5.3	3.0	3.3	8.0	7.1
Farmer Mix Supplement	Miles City	4656	32.0	35.8			6.0	5.2	8.0	9.1
Occident Hen Scratch	Miles City	4633	10.0	12.9			2.0	2.0	4.5	4.0
Occident 20% Layer	Miles City	4649	20.0	21.4			3.0	4.2	7.5	7.3
Occident Chick Scratch	Miles City	4634	10.0	13.2			2.0	2.0	4.0	3.2
Occident Chick Starter	Hardin	4645	20.0	20.6			3.0	3.9	7.0	5.7
Occident Calf Meal	Hardin	4652	20.0	21.8			4.0	3.7	5.0	7.1
Occident Chick Grower	Hardin	4648	17.0	18.8			3.0	3.6	7.5	7.5
Occident All Mash Chick Starter	Miles City	4645	18.0	21.3			3.0	4.3	7.5	7.1
Occident Turkey Grower	Miles City	4636	20.0	20.2			3.5	5.5	7.5	6.8
Occident Sunburst Economy Layer	Miles City	4644	20.0	21.2			3.5	5.5	9.5	8.7
Cow Feed	Miles City	5037		15.8				4.3		6.7
RUSSELL MILLER MILLING COMPANY										
Minneapolis, Minnesota										
Occident Bran	Miles City	4980	14.0	18.1			4.0	5.3	11.5	10.8
THE QUAKER OATS COMPANY										
Chicago, Illinois										
Ful-O-Pep Growing Mash	Billings	4746	19.0	20.3			3.5	4.3	8.0	7.3
Ful-O-Pep Laying Mash	Billings	4747	20.0	20.1			3.0	4.2	8.0	8.0
Ful-O-Pep Rabbit Pellets	Billings	4721	16.0	19.4			2.5	3.5	15.0	14.3
Ful-O-Pep Calf Starter	Billings	4713	20.0	20.9			4.0	4.0	8.0	7.4
Quaker Sugared Schumacher Feed	Billings	4729	12.0	12.0			2.0	2.8	12.0	11.3
Ful-O-Pep Calf Starter	Hardin	4713	20.0	20.3			4.0	4.2	8.0	7.9
Ful-O-Pep Laying Mash	Hardin	4747	20.0	21.2			3.0	3.9	8.0	7.6
Ful-O-Pep Range Cake	Hardin	4723	20.0	21.0			2.5	3.5	9.0	8.9
NIXON & COMPANY										
Omaha, Nebraska										
Lincocy	Hardin	4454	40.0	41.5			2.0	1.8	9.0	9.0
GRAIN PROCESSING CORPORATION										
Mustadine, Iowa										
Grain Processing 101 Animal Poultry Suppl.	Bozeman	†	30.0	32.1			6.0	7.1	6.0	8.0
GENERAL MILLS, INC.										
Minneapolis, Minnesota										
Hard Wheat Mixed Feed	Bozeman	4669	16.0	18.1			4.0	4.8	11.0	9.3
SIOUX SOYA MILLS										
Sioux City, Iowa										
"Su-Soy" Soybean Oil Meal with Corn	Bozeman	†	44.0	46.1			0.5	0.7	7.0	5.5
JAMES FARREL & COMPANY										
Seattle, Washington										
Herring Fish Meal†	Bozeman	4190		70.4				7.0		0.9
CARGILL INCORPORATED										
Minneapolis, Minnesota										
44% Protein Solvent Ext. Soybean Oil Meal	Bozeman	4966	44.0	45.4			0.5	3.2	7.0	6.4
44% Solvent Extract Soybean Oil Meal	Miles City	4966	44.0	44.7			0.5	1.9	7.0	6.1
34% Old Process Linseed Oil Meal	Bozeman	4966	34.0	35.2			4.0	4.2	9.0	10.8

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P. C. Gaines
Chemistry Research Department
Montana State College
Bozeman, Montana

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VOLUME I PAGE 6. OCTOBER, 1953

Name & Address of Manufacturer with Brand Name	Place of Collection	Registration No.	Protein		Equivalent Crude Protein		Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
IOWA MILLING COMPANY Cedar Rapids, Iowa Hy-Grade 44% Soybean Oil Meal	Bozeman	4613	44.0	41.8			0.5	0.8	7.0	9.1
LEDERLE LAB., AMERICAN CYANAMID COMPANY New York, New York Megacul-A-Nitrophenide 25%	Bozeman	4539	30.0	49.1			0.2	0.4	7.0	2.2
NITROGEN DIVISION, ALLIED CHEMICAL & DYE CORP. South Point, Ohio Feed Compound	Bozeman	‡			262.0	262.0				
WESTERN CONDENSING COMPANY Appleton, Wisconsin Peebles Cal-Kit	Bozeman	4327	17.0	18.4			1.0	.9	.4	.9
DRWES MFG. COMPANY Chicago, Illinois MN-77†	Bozeman	4937		37.0			4.0			5.7
MISCO MILLS, DIV. OF CENTENNIAL FLOURING MILLS Missoula, Montana Poultry Concentrate Herd Bull Pellets‡	Bozeman	4294	32.0	32.3			2.5	5.2	9.0	10.8
	Bozeman	‡		17.8			3.7			7.7
OSCEOLA PRODUCTS COMPANY Osceola, Arkansas Osceola Brand 41% Solvent Extract Cottonseed Pellets	Miles City	4195	41.0	41.1			1.0	5.1	12.0	14.0
INTERNATIONAL ELEVATOR Minneapolis, Minnesota Star Hi 18% Egg Mash Star Hi Special Breeder Mash Star Hi Broiler Ration Star Hi Calf Meal Pellets Star Hi Phos-Plus Range Pellets Star Hi 18% Egg Mash Star Hi Chick Starter Star Hi Corn Base Pellets	Miles City	4903	18.0	20.1			3.0	5.1	8.0	8.0
	Miles City	4904	20.0	18.0			4.0	4.6	7.5	7.4
	Miles City	4907	20.0	22.0			3.0	6.7	5.5	5.5
	Miles City	4905	22.0	24.4			3.0	4.6	6.5	7.6
	Miles City	4909	20.0	20.3			3.0	3.1	9.0	7.3
	Miles City	4903	18.0	18.8			3.0	4.2	8.0	8.0
	Miles City	4912	20.0	22.3			3.0	4.6	7.0	8.1
	Miles City	4894	16.0	17.4			2.5	3.0	7.5	6.6
GEORGE BAGLEY ELEVATOR Minneapolis, Minnesota Blue Ribbon 18% Chick Grower Blue Ribbon 20% Egg Mash Blue Ribbon 20% Chick Starter Blue Ribbon 20% Range Feed	Miles City	4955	18.0	19.5			4.0	4.6	7.5	7.5
	Miles City	4954	20.0	21.6			4.0	4.2	8.0	8.0
	Miles City	4956	20.0	21.4			4.0	4.1	6.5	6.2
	Miles City	‡	20.0	20.1	3.4	3.0	1.0	1.9	15.0	18.1
HERRING SALES Board of Trade Building Kansas City, Missouri 41% Cottonseed Meal	Miles City	4971	41.0	41.9			4.0	6.8	13.0	10.9
GALLATIN VALLEY MILLING COMPANY Belgrade, Montana Bran Shorts Mixed Feed	Bozeman	4229	15.0	17.3			4.5	4.5	10.0	9.2
	Bozeman	4231	15.0	17.2			4.0	5.0	9.0	8.3
	Bozeman	4230	15.0	16.9			4.0	4.6	9.5	7.3

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The Department of Agriculture, State of Montana, Helena, Montana
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VOLUME I, PAGE 7, OCTOBER, 1953

Name & Address of Manufacturer with Brand Name	Place of Collection	Registration No.	Protein		Equivalent Crude Protein		Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
O. H. COOPER COMPANY Humboldt, Nebraska										
Lucky Laddie Calf Starter	Big Timber	‡	24.0	25.5			3.0	3.7	6.0	8.3
BIEBER FEED & GRAIN COMPANY Big Timber, Montana										
Excellent 16% Dairy Feed	Big Timber	4997		14.7			4.0		12.3	
Excellent Egg Mash†	Big Timber	4451		19.1			4.4		8.5	
Excellent Growing Mash‡	Big Timber	4450		17.9			4.6		8.5	
ARCHER-DANIELS-MIDLAND COMPANY Minneapolis, Minnesota										
Armin 42% Concentrate	Bozeman	‡	42.0	43.0			0.5	2.9	7.0	7.0
Beef Fattener Pellets	Miles City	‡	20.0	20.8			2.0	3.2	12.0	14.8
Archer Quality First Rabbit Pellets	Miles City	‡	18.0	20.4			2.0	3.6	15.0	11.9
Archer Quality First Poultry Flakes	Miles City	‡	15.0	16.5			3.5	4.4	5.0	4.6
20% Dairy Feed	Miles City	‡	20.0	21.1			2.0	2.0	12.0	13.2
GOLDENR MILLS West Fargo, North Dakota										
Goldena Scratch Grains	Miles City	4507	10.0	10.8			2.5	2.8	4.0	7.1
GOOCH FEED MILL COMPANY Lincoln, Nebraska										
Chick Starter Granules Nitrophenoxide Mix	Broodus	5064	20.0	20.7			2.5	4.7	6.0	6.0
GOOCH Best Feed Hen Scratch	Broodus	‡	10.0	9.0			2.5	2.9	3.0	2.1
GOOCH Best Layer Breeder Granules	Broodus	‡	20.0	20.0			2.5	3.4	7.75	7.8
Growing Scratch	Broodus	‡	10.0	9.9			2.0	3.6	3.0	2.1
GOOCH Calf Meal without Antibiotic	Broodus	‡	25.0	25.6			3.5	3.8	6.0	6.0
GOOCH Growing Mash Granules	Broodus	‡	18.0	19.8			2.5	3.6	7.0	7.0
DU PONT de NEMOURS & COMPANY Wilmington, Delaware										
Du Pont 2-602 Feed Compound	Bozeman	4440	262.0	263.8			0.1	0.2	0.6	0.6
WESTERN YEAST COMPANY Chillicothe, Illinois										
Western Live Yeast Culture	Bozeman	4484	9.0	8.9			2.5	4.4	5.0	4.1
ARMOUR & COMPANY Chicago, Illinois										
Blood Meal	Bozeman	4176	80.0	84.1			0.0	3.0	2.0	1.2
Armour's 50% Meat & Bone Scraps	Bozeman	4175	50.0	50.1			6.0	9.2	3.0	3.0
FISHEL PRODUCTS Kingsburg, California										
Nutri-Lass	Bozeman	4882	4.5	4.5			1.0	1.4	8.0	9.6
MONTANA FLOUR MILLS COMPANY Great Falls, Montana										
Ceratene Hi-Power Molas-O-Cake Breeder Pellets	Bozeman	4606	20.0	21.8			3.0	3.5	10.0	9.7
Ceratene Steer Fattener	Bozeman	4600	15.0	15.7			3.5	3.8	10.0	8.3
Ceratene 36% Range Pellets	Bozeman	4609	36.0	39.1	8.75	6.0	3.0	3.1	7.0	7.8
Ceratene Rabbit Pellets	Bozeman	4594	14.0	14.8			3.0	3.4	9.0	10.5
Steer Fattener	Bozeman	4600		16.5				4.4		8.9

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VOLUME I, PAGE 8. OCTOBER, 1953

Name & Address of Manufacturer with Brand Name	Place of Collection	Registration No.	Protein		Equivalent Crude Protein		Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
YVLACTOS LABORATORIES, INC.										
Des Moines, Iowa Oncidias	Bozeman	4485	10.0	10.2			0.4	0.9	8.0	7.3
MIDWEST SOLVENT COMPANY										
Atchison, Kansas Distillers Dried Soluble	Bozeman	‡	23.0	21.3			5.0	1.5	5.0	4.5
NELSON BROS. FISHERIES										
Vancouver, B. C. Fish Meal†	Bozeman	‡		70.2				10.4		1.3
S. A. CAMP COTTON OIL COMPANY										
Carvalo, California Campco Brand Cottonseed Meal	Bozeman	‡	41.0	46.5			4.0	5.0	13.0	12.0
SHERIDAN FLOURING MILLS, INC.										
Sheridan, Wyoming Wheat Flour Middlings	Hardin	4459	16.0	16.9			4.0	3.4	4.0	2.4
Tomahawk 20% Protein Range Feed	Hardin	4452	20.0	20.6	1.33	1.3	4.0	3.5	7.25	7.3
Tomahawk Feed	Hardin	4463	18.0	20.2	1.5	1.4	3.0	3.2	5.0	7.4
Tomahawk Hog Supplement	Hardin	4474	28.0	30.4			4.15	3.0	8.0	8.0
Hard Wheat Mixed Feed	Hardin	4465	14.5	20.9			3.5	4.8	9.5	8.6
Tomahawk 4-H Cal Feed	Hardin	4494	12.25	13.4			3.5	2.8	6.75	6.75
Meat Scraps†	Hardin	‡		53.3			5.5	5.5		3.8
Tomahawk Chick Starter	Hardin	4478	17.0	18.8			4.0	4.5	6.25	6.0
Tomahawk Special Chick Scratch	Hardin	4490	10.0	13.4			3.0	3.1	5.0	3.5
Tomahawk Rabbit Pellets	Hardin	4468	17.5	18.8			3.5	3.5	9.0	8.4
Tomahawk Molasses Cow Feed	Hardin	4481	13.75	17.4			4.25	3.9	9.0	7.2
Wheat Bran	Hardin	4458	15.0	18.4			3.5	4.9	10.0	7.8
Tomahawk Growing Chick Mash	Hardin	4469	17.0	19.2			4.0	4.0	7.0	7.0
Tomahawk Horse Feed	Hardin	4490	11.0	12.8			3.5	3.5	11.0	7.8
Tomahawk Complete Hog Feed	Hardin	4474	15.0	18.0			3.0	3.1	6.25	5.3
Tomahawk Pig Starting & Weaning Meal	Hardin	4460	17.0	18.7			3.25	2.8	6.0	5.8
Tomahawk Calf Weaner Pellets	Hardin	4475	19.0	21.2			3.5	3.5	7.25	7.1
Standard Middlings	Hardin	4464	15.0	18.9			4.0	5.2	9.5	8.8
RALSTON PURINA										
St. Louis, Missouri Purina Chick Starter†	Billings	4376		21.8			4.1			5.6
Purina Lay Chow†	Billings	4389		21.8			3.2			5.5
Purina Rabbit Chow†	Billings	4372		15.6			3.2			13.8
SWIFT & COMPANY										
Chicago, Illinois Swift's Calf Food	Bridger	4492	25.0	26.5			2.5	5.0	8.5	7.8
Swift's Egg Mash	Bridger	4494	20.0	20.2			3.0	4.6	8.0	7.2
Swift's Soybean Oil Meal	Bridger	4442	42.0	41.7			3.5	5.4	7.0	7.0
HOLLY SUGAR CORP.										
Colorado Springs, Colorado Holly Sugarpulp	Hardin	4217	7.5	8.7			0.2	0.3	9.0	7.7
M. H. DAVIS COMPANY										
Little Rock, Arkansas Steerboy Brand 41% Protein Cottonseed Meal Cake	Hardin	‡	41.0	41.0			6.0	6.1	12.0	11.3

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VOLUME I, PAGE 9, NOVEMBER, 1953

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Bozeman, Montana

Name & Address of Manufacturer with Brand Name	Place of Collection	Registration No.	Protein		Equivalent Crude Protein		Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
ALBERS MILLING COMPANY Los Angeles, California Albers Calif Manna	Sidney	4173	25.0	26.3			4.0	4.1	5.5	5.5
DAWES LABORATORIES, INC. Chicago, Illinois AFCO Blend	Sidney	4987	50.0	49.0			1.0	3.1	6.0	5.3
FALK & COMPANY, INC. Minneapolis, Minnesota Northwest 32% Protein Expeller Linseed Oil Meal	Sidney	‡	32.0	33.2			3.5	5.2	9.5	12.0
HANSEN FLOUR MILLS Wolf Point, Montana Just Right Chick Starter	Wolf Point	‡	18.0	18.0			3.5	3.6	6.5	4.9
NIXON & COMPANY Omaha, Nebraska Nixon's 44% Soybean Oil Meal Pellets	Glasgow	‡	44.0	45.2			0.5	1.9	8.0	6.6
"71" RANCH FEED CO. Billings, Montana "71" Yeast Culture	Chinook	‡	10.0	14.5			4.0	4.0	3.0	4.0
A. E. STALEY MFG. CO. Decatur, Illinois 44% Soy-Corn Gluten Mix	Chinook	‡	44.0	44.7			0.5	1.1	7.5	7.5
SWIFT & COMPANY Blytheville, Arkansas Swift's Cattlewood Meal	Glasgow	4441	41.0	41.0			5.0	5.1	13.0	12.5
SECURITY FOOD COMPANY Minneapolis 15, Minnesota Security Food	Hamilton	4221	20.0	18.9			4.5	4.5	3.0	2.7
HANSEN PACKING COMPANY Butte, Montana Tang of the Wild Hi-Protein Chicken Food	Hamilton	4972	43.50	50.1			6.0	12.1	2.0	2.0
HIGHLAND PRODUCTS INC. Minneapolis, Minnesota Highland's Hi-Nutra	Hamilton	‡	25.0	25.0			4.0	4.2	2.0	2.0
MONTANA VEGETABLE OIL & FEED CO. Great Falls, Montana 34% Linseed Meal	Stevensville	4208	34.0	33.4			3.5	4.1	9.0	10.0
NORTHWEST RENDERING Minot, North Dakota Meat & Bone Scraps	Sidney	‡		54.5				13.1		2.3
MILES CITY RENDERING COMPANY Miles City, Montana Meat & Bone Scraps	Glendive	4890	50.0	56.0			8.0	13.1	5.0	2.3
SAN JORQUIN COTTON OIL CO. Berkeley, California Paymaster Brand 43% Cottonseed Coke Meal	Glendive	4181	43.0	43.1			5.2	9.4	12.0	11.7
THE BRODE CORPORATION Memphis, Tennessee Owl Brand 41% Prime Cottonseed Meal	Glendive	4266	41.0	42.5			5.0	8.0	13.0	10.1
CALIFORNIA COTTON OIL CORPORATION Los Angeles, California Calico Brand 40% Cottonseed Meal	Chinook	4204	40.0	45.0			4.0	4.5	12.0	10.9

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			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
G. E. CONKEY CO., Div. Wirthmore Feed Nebraska City, Nebraska Conkey's Hi-Vitamin Supplement for Poultry & Turkeys	Helv	4984	25.0	29.5			2.0	4.2	6.0	6.0
GRAHAM & ROSS MERC. COMPANY Great Falls, Montana Diamond G Calf Meal	Fort Benton	4556	24.0	25.9			4.0	3.3	6.0	6.0
Diamond G Pan-A-Min Laying Mash	Fort Benton	4561	18.0	20.2			3.0	3.8	8.5	6.3
Diamond G Pan-A-Min Starting Mash	Fort Benton	4560	18.0	21.6			3.0	3.7	7.5	7.0
Diamond G Range Pellets	Fort Benton	4563	20.0	23.2	6.0	5.9	2.0	3.0	10.0	6.3
HARVE RENDERING COMPANY Helv, Montana Meat & Bone Scraps	Glasgow	4500		49.2				16.7		3.7
INTERNATIONAL ELEVATOR COMPANY Minneapolis, Minnesota Star HI 18% Egg Mesh	Glasgow	4903	18.0	19.9			3.0	4.4	8.0	7.0
Star HI Chick Grower	Glasgow	4914	16.0	17.0			3.0	4.5	7.5	6.9
Star HI Chick Starter	Glasgow	4912	20.0	21.8			3.0	4.7	7.0	6.6
Star HI Turkey Starter	Glasgow	4913	25.0	26.2			3.0	4.2	7.5	7.5
Star HI Scratch Grains	Glasgow	4906	10.0	12.2			2.5	2.7	4.0	1.7
Star HI Calf Meal	Glasgow	4905	22.0	23.0			3.0	3.0	6.5	6.4
Star HI Cal Meal	Glasgow	4905	22.0	24.0			3.0	4.2	6.5	6.0
SPENCER KELLOGG & SONS, INC. Minneapolis, Minnesota 32% Protein Old Process (Expeller) Lined Oil Meal	Glasgow	4218	32.0	33.9			3.5	4.5	9.5	10.9
GOOCH FEED MILLS Lincoln, Nebraska 32% Feed Lot Supplement	Broodus	†	32.0	31.8	†	8.3	2.0	3.2	8.0	7.3
GOOCH 18% Dairy Ration	Broodus	†	18.0	19.9	5.8	5.8	2.5	4.3	9.0	7.3
41% Range Cubes	Broodus	5083	41.0	43.5	8.75	8.5	2.0	3.3	7.0	7.0
Calf Starter Pellets with Aureomycin	Broodus	†	25.0	26.2			3.0	3.0	6.0	5.0
Turkey Starter Granules	Broodus	†	27.0	27.8			2.5	3.5	6.5	6.5
Baby Chick Scratch	Broodus	†	10.0	11.2			2.0	2.7	3.0	2.1
Growing Mash	Broodus	†	20.0	20.3			2.5	2.8	7.0	7.0
Rabbit Pellets Ration	Broodus	†	20.0	20.9			2.0	3.1	12.0	11.5
18% Corn Cake	Broodus	5080	18.0	17.4	5.0	3.7	2.0	2.4	7.0	5.2
Oreema	Broodus	†	12.0	14.4			2.5	3.3	9.0	8.8
35% Range Cake	Broodus	5082	32.0	33.5	8.75	6.7	2.0	2.4	7.0	7.9
22% Range Cubes	Broodus	5059	22.0	24.8	7.0	7.2	2.0	3.3	7.0	8.0
40% Hog Fattener Meal	Broodus	†	40.0	41.7			1.5	1.7	6.5	6.5
NIxon & COMPANY Omaha, Nebraska 41% Soybean Oil Meal Pellets	Billings	4452	41.0	43.6			1.0	2.1	8.0	7.3
MISCO MILLS, Div. of Centennial Flouring Mills Missoula, Montana Misco Beef Finisher	Billings	4310	13.5	14.5			2.5	3.5	9.0	6.3
Pellet 20% Sheep & Cattle	Billings	4307	20.0	22.0			2.5	3.3	9.0	7.9
High Protein Suppl. for Sheep & Cattle	Billings	4308	32.0	32.8			2.0	5.1	10.0	9.1
Dairy Feed 16%	Hamilton	4285	16.0	17.9			2.5	4.0	10.0	6.8
Lay Well Egg Mash	Hamilton	4292	18.0	19.4			2.5	3.8	9.0	8.5
Developer Mash	Hamilton	4288	16.0	16.4			3.0	3.8	8.0	8.0
Turkey Pre-Starter Mash	Hamilton	4299	28.0	30.9			3.0	3.1	6.5	5.1
TRI STATE MILLING CO. Rapid City, South Dakota Trisco Wheat Bran	Broodus	†	15.0	16.2			3.0	4.2	12.5	9.1
F. C. BYRES MILLING & GRAIN CO. Denver, Colorado Americo 32% Cattle & Sheep Supplement	Broodus	†	32.0	32.8	10.0	8.4	3.0	3.8	8.0	9.0
Americo 16% Corn Cake	Broodus	†	16.0	16.7			3.0	3.6	5.0	5.0

Violations in Bold Type

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Albert H. Kruse
Commissioner of Agriculture
State of Montana
Helena, Montana

COMMERCIAL FEEDS REPORT

Issued By
The Department of Agriculture, State of Montana, Helena, Montana
and

P. C. Gaines
Chemistry Research Department
Montana State College
Bozeman, Montana

The Agricultural Experiment Station, Montana State College, Bozeman, Montana
VOLUME I, PAGE 11, NOVEMBER, 1953

Name & Address of Manufacturer with Brand Name	Place of Collection	Registration No.	Protein		Crude Protein		Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
CARGILL INC. Minneapolis, Minnesota										
41% Expeller Soybean Oil Meal	Billings	4967	41.0	42.8			4.0	7.1	7.0	5.7
Old Process 34% Linseed Oil Meal	Billings	4966	34.0	35.9			4.0	4.8	9.0	10.5
44% Solvent Extracted Soybean Oil Meal	Wolf Point	4966	44.0	48.0			0.5	2.3	7.0	5.8
FISHEL PRODUCTS CO. Kingston, California										
Nutri-Loss	Billings	4882	4.5	4.6			1.0	1.5	8.0	11.8
VITAMIN PRODUCTS, Div. of Priority Mills Minneapolis, Minnesota										
Pig Vita	Billings	‡	28.0	27.8			5.0	5.0	1.5	1.5
OCCIDENT ELEVATOR COMPANY Billings, Montana										
Green Range Layer	Billings	4650	16.5	17.6			3.0	3.1	8.0	6.6
CORVALLIS FEED & SUPPLIES Corvallis, Montana										
Farm Service Brand 16% Dairy Feed	Corvallis	‡	16.0	15.7			3.0	3.4	9.5	7.0
Corvallis Brand 20% Egg Mash	Corvallis	‡	20.0	20.8			3.0	3.8	8.0	7.6
RALESTON PURINING COMPANY St. Louis, Missouri										
Chowmix Breeder Mash	Stevensville	4687	18.0	18.2			2.5	3.7	7.0	6.3
Chowmix Breeder Feed (All Mash)	Stevensville	4688	15.0	16.3			2.0	3.7	7.0	4.9
Chowmix Laying Mash	Stevensville	4683	18.0	17.7			3.0	3.9	8.5	5.7
Chowmix Laying Feed (All Mash)	Stevensville	4682	15.0	16.4			3.0	4.2	8.0	5.9
Purina Rabbit Chow for Laboratories A (Without Antibiotics)	Stevensville	‡	15.0	17.3			2.0	3.4	18.0	11.7
Purina Turkey Starter	Stevensville	4422	28.0	28.5			2.5	3.7	7.0	5.9
Chowmix 14% Dairy Feed	Stevensville	‡	14.0	13.5	1.3	1.2	2.0	3.5	10.0	6.8
Purina Nursing Chow	Stevensville	4335	25.0	25.7			2.5	2.5	3.0	1.0
Fox Chow with Meat Meal	Stevensville	4370	20.0	21.0			3.0	3.8	6.0	3.8
Purina Mink Chow	Stevensville	4371	11.5	14.4			2.5	3.4	6.0	2.4
Purina Creep Chow	Stevensville	4361	13.0	16.1			2.0	3.8	6.0	5.2
Beef Chow	Stevensville	4351	32.0	34.1			3.5	2.4	8.0	6.8
Chowmix Broiler Growing Feed	Stevensville	4686	17.0	16.5			3.0	3.5	7.0	5.4
Chowmix Sow & Pig Feed	Stevensville	4589	14.0	14.1			2.5	3.0	7.0	6.1
Chowmix Hog Feed	Stevensville	4690	13.0	14.8			2.5	2.8	9.0	7.7
Chowmix D & F Feed C	Stevensville	4692	10.0	11.0			2.5	2.8	15.0	9.3
Chowmix 16% Dairy Feed B	Stevensville	4691	16.0	16.3	2.2	2.0	2.5	3.3	10.0	6.8
Chowmix Steel Fattening Feed	Stevensville	‡	12.0	13.7			2.5	3.3	10.0	6.7
Purina Pigeon Chow	Stevensville	‡	12.0	12.2			2.0	2.9	5.0	2.8
Chowmix Chick Growing Mash	Stevensville	4680	17.0	17.4			3.0	3.4	8.0	5.0
Chowmix Laying Mash	Havre	4683	18.0	20.6			3.0	3.2	8.5	5.5
Chowmix Starter Mash	Havre	4679	18.0	18.8			3.0	3.3	8.5	3.5
Chowmix Chick Growing Mash	Havre	4680	17.0	18.8			3.0	3.5	8.0	5.8
Purina Flock Chow A	Havre	4392	18.0	20.2			2.5	3.9	7.0	4.6
Purina Chick Chow (Coarse)	Havre	4399	9.0	9.4			2.0	3.4	4.0	1.4
.005% 3-Nitro-4-Hydroxyphenylarsonic acid in Purina Broiler Chow B	Havre	4404	18.0	21.0			3.0	3.0	7.0	5.7
Purina Chick Growers A	Havre	4379	17.0	16.8			3.0	3.2	7.0	4.6
.005% 3-Nitro-4-Hydroxyphenylarsonic acid in Purina Chick Starter A	Havre	4377	20.0	21.7			3.0	3.2	5.0	4.4
Purina Chopped Special	Havre	4386	32.0	33.6			2.5	4.5	9.0	8.2
Purina Special Range Checkers B	Havre	4357	32.0	36.1	8.7	2.2	2.5	3.2	8.0	6.5
Purina Coll' Chow Checkers	Havre	4887	27.0	29.1			2.5	2.9	7.5	6.4
Chowmix Growing Feed (All Mash)	Havre	4682	15.0	16.9			2.5	3.6	8.0	5.3
MILK RIVER ELEVATOR Chinook, Montana										
Star White Laying Mash	Chinook	4705	20.0	20.3			4.0	4.0	9.0	8.2
Star White Chick Starter	Chinook	4704	20.0	20.8			4.0	3.3	8.0	5.4
Star White Chick Grower	Chinook	‡	18.0	19.6			2.5	3.5	8.0	6.4
Star White Turkey Starter	Chinook	4703	20.0	26.0			3.0	3.9	7.0	7.0
Star White Range Pellets	Chinook	4702	20.0	23.4	6.5	6.7	2.5	2.6	9.0	6.4

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VOLUME I, PAGE 12, NOVEMBER, 1953

Name & Address of Manufacturer with Brand Name	Place of Collection	Registra- tion No.	Protein		Crude Protein		Equivalent		Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
SOUTHLAND COTTON OIL CO.												
Dallas, Texas												
Southland's Cottonseed Cake Pellets	Miles City	‡	43.0	42.9					5.2	6.8	12.0	10.4
Southland's Cottonseed Cake Pellets	Miles City	‡	41.0	40.8					5.0	6.0	13.0	12.6
OCCIDENT ELEVATOR												
Billings, Montana												
Occident Red Tag Stock Cubes	Miles City	4639	25.0	27.4	6.0	6.0	3.0	3.6	7.0	5.6		
NORTH DAKOTA MILL & ELEVATOR												
Grand Forks, North Dakota												
Dakota Maid Chick Scratch	Wibaux	4574	10.0	10.6					2.5	3.4	4.0	3.7
Milky Way Dairy Feed	Wibaux	‡	18.0	18.5					3.5	5.5	12.5	12.0
Dakota Maid Turkey Grower	Wibaux	‡	20.0	19.3					3.0	4.3	7.0	6.9
Dakota Maid 20% Laying Mash	Wibaux	4586	20.0	20.8					3.5	4.3	7.0	7.3
Dakota Maid Chick Starting Mash	Wibaux	‡	18.0	20.6					4.0	4.1	6.0	6.0
Dakota Maid Chick Starter	Wibaux	‡	20.0	20.5					3.0	4.9	6.0	6.0
Dakota Maid Calf Meal	Wibaux	4572	24.0	27.4					3.0	5.2	6.0	4.9
Dakota Maid Chick Grower	Sidney	‡	17.0	17.0					3.0	4.9	7.0	7.0
Dakota Maid Chick Starter	Sidney	‡	20.0	20.3					3.0	5.8	6.0	7.3
Dakota Maid 20% Range Pellets	Sidney	4589	20.0	22.8	6.5	6.8			2.5	5.3	10.0	11.2
Dakota Maid Chick Grower	Sidney	‡	17.0	17.8					3.0	3.8	7.0	7.0
Dakota Maid Laying Mash	Sidney	4586	20.0	20.7					3.0	3.9	7.0	7.0
Dakota Maid Chick Starter	Sidney	‡	20.0	20.0					3.0	4.6	6.0	7.3
Dakota Maid Chick Scratch Feed	Sidney	4574	10.0	12.2					2.5	2.7	4.0	2.7
Dakota Maid Calf Meal	Sidney	4572	24.0	28.0					3.0	5.0	6.0	5.8
Dakota Maid Dairy 40% Suppl	Sidney	4588	40.0	40.0	14.0	9.1	3.0	4.2	9.0	9.0		
Dakota Maid Beef Suppl. B	Sidney	4570	32.0	33.6	10.6	8.9	3.0	3.3	9.0	9.0		
Dakota Maid 20% Laying Mash	Sidney	4586	20.0	22.4				3.5	3.0	7.0	6.9	
Dakota Maid Beef Suppl. 32%	Sidney	4570	32.0	33.1	14.0	9.37	3.0	4.7	9.0	12.1		
GENERAL MILLS INC.												
Minneapolis, Minnesota												
Larro 20% Dairy Feed	Wibaux	‡	20.0	18.9					2.5	3.3	12.0	11.0
Larro Calf Builder	4732	24.0	28.0					2.5	2.7	6.0	6.0	
Larro Hog Builder	4786	35.0	35.2					2.0	3.6	10.0	9.0	
Larro Egg Mash	Wibaux	‡	20.0	21.5					2.5	5.0	8.0	7.0
Larro 32% Surecattle Suppl	4790	32.0	32.3					2.0	4.0	9.0	8.5	
North Star Cattle Feed	4677	16.0	16.0					2.5	5.0	13.0	11.0	
Larro Surecalf	4792	24.0	28.6					2.5	3.4	6.0	5.2	
44% Protein Hexane Extracted Soybean Oil Meal	Sidney	4676	44.0	47.2			0.5	2.6	7.0	5.5		
Larro Surechamp	Sidney	4766	24.0	26.0			5.0	5.6	6.0	5.3		
Larro 32% Surecattle	Fort Benton	4790	32.0	33.9			2.0	2.4	9.0	8.3		
INTERNATIONAL ELEVATOR CO.												
Minneapolis, Minnesota												
Star Hi Rabbit Pellets	Glendive	4901	16.0	19.7					2.5	3.4	16.0	15.9
Star Hi 18% Egg Mash	Glendive	4903	18.0	19.6					3.0	4.0	8.0	8.0
Star Hi Broiler Ration	Glendive	4907	20.0	21.6					3.0	3.8	5.5	5.5
Star Hi Chick Starter	Glendive	4912	16.0	16.5					3.0	4.0	7.5	7.5
Star Hi Phos Plus Protein Pellets	Glendive	‡	32.0	32.2					2.0	2.9	10.0	12.8
Budget Pellets	Glendive	4895	14.0	15.3					3.0	3.9	10.5	10.5
Phos Plus Range Pellets	Glendive	4909	20.0	20.5					3.0	3.1	9.0	9.0
Star Hi Calf Finisher Pellets	Glendive	4898	15.0	16.6					2.0	3.5	8.0	8.0
Star Hi Turkey Grower	Glendive	4902	20.0	21.5					3.0	4.1	7.5	9.0
Star Hi Half N Half Scratch	Glendive	4893	10.0	11.8					2.5	3.1	3.5	2.8
Star Hi Chick Starter	Glendive	4912	20.0	19.8					3.0	4.1	7.0	6.2
Star Hi Turkey Starter	Glendive	4913	25.0	27.6					3.0	4.0	7.5	7.5
Star Hi Corn Base Pellets	Glendive	4894	16.0	16.7					2.5	2.2	7.5	5.5
Star Hi Pig Starter	Glendive	4908	22.0	23.5					3.0	3.0	7.5	7.5
Star Hi Dairy Concentrate	Glendive	4911	35.0	37.4					1.0	2.8	8.0	7.2
Star Hi Calf Weaner Pellets	Glendive	‡	17.0	19.0					2.0	2.8	7.5	7.3
Star Hi Calf Meal	Glendive	4905	22.0	24.0					3.0	4.2	6.5	6.0

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VOLUME 1, PAGE 12, DECEMBER, 1953

Name & Address of Manufacturer with Brand Name	Place of Collection	Registration No.	Protein		Equivalent Crude Protein		Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
OCCIDENT ELEVATOR COMPANY										
Billings, Montana										
Blue Tag Stock Cubes	Billings	4638	40.0	43.5	13.1	14.2	2.5	3.0	7.0	7.0
White Tag Stock Cubes	Billings	†	20.0	22.7	4.0	5.5	2.5	3.9	9.0	8.9
Sunburst 20% Stock Cubes	Billings	4640	20.0	19.4	4.0	3.9	3.0	3.4	9.5	7.3
Occt-Mix Mash Maker	Billings	4656	36.0	37.2			2.0	4.4	8.0	7.6
Rabbit Pellets	Billings	4970	15.5	17.7			2.5	4.2	15.0	14.0
Flock Breeder	Billings	4651	20.0	20.5			3.0	4.4	7.5	6.2
18% Protein Laying Mash	Billings	†	18.0	19.6			4.0	4.1	8.0	7.0
Dairy Supplement	Billings	†	34.0	35.9			3.5	3.8	7.5	9.5
Breeder Ration	Billings	4647	20.0	22.2			3.0	4.1	7.0	5.8
Dairy Feed (Steam Rolled)	Billings	4641		16.6					3.0	5.5
32% Dairy Supplement	Billings	4642		36.1			5.0		3.3	8.2
32% Fattening Supplement	Billings	†	32.0	33.5	0.0	8.6			4.0	7.8
Ocident Flock & Crate Fattener	Sidney	4984	14.0	19.5			3.0	4.6	7.0	4.5
Ocident Broiler Ration	Sidney	4647	20.0	21.3			3.0	3.4	7.0	5.6
Ocident Turkey Starter	Sidney	4532	25.0	26.0			3.5	5.0	7.5	6.2
Ocident Chick Grower	Sidney	4543	17.0	17.8			3.0	4.0	7.5	5.4
Ocident Green Range Layer	Sidney	4550	16.5	17.0			3.0	4.9	8.0	6.0
Ocident 20% Egg Mash	Sidney	†	20.0	21.4			3.0	4.0	7.5	6.2
Ocident Chick Starter	Sidney	4645	20.0	19.8			3.0	4.0	7.0	5.4
Occt-Mix Mash Maker	Sidney	4556	36.0	36.3			2.0	3.7	8.0	7.6
Ocident Calf Starter Meal	Sidney	4552	22.0	22.4			3.5	3.5	7.0	6.6
Ocident Turkey Grower	Sidney	4536	20.0	21.1			3.5	3.0	7.5	5.4
Ocident Dairy Supplement	Sidney	†	34.0	34.2			5.8	3.5	2.8	7.0
Ocident Grain Balancer	Sidney	4557	26.0	24.0			3.0	5.0	7.5	7.5
Ocident 30% Fattening Suppl.	Sidney	4535	30.0	29.7	7.55	5.1	2.0	3.0	7.0	5.8
Calf Milk Replacer	Sidney	4563	27.0	28.9			1.0	1.0	1.0	0.8
Ocident Green Tag Stock Cubes	Froid	4537	20.0	25.0	4.0	5.6	3.0	2.2	8.0	6.0
RUSSELL MILLER MILLING CO.										
Minneapolis, Minnesota										
Ocident Bran	Froid	4980	14.0	18.3			4.0	5.1	11.5	9.8
FARMERS UNION GRAIN & SUPPLY OF WILLSTON										
Williston, North Dakota										
17% Protein Growing Mash	Circle	5026	17.0	17.5			3.0	3.5	8.0	8.0
Fortified 20% Laying Mash	Circle	5033	20.0	21.1			3.5	4.2	7.5	7.5
15% Protein Chick Starter	Circle	5027	18.0	20.1			4.0	4.0	7.0	8.0
25% Protein Fortified Turkey Starter	Circle	5028	26.0	27.0			2.4	2.8	8.0	8.0
15% Fortified Chick Starter	Froid	5027	18.0	19.3			3.0	4.2	7.0	5.9
GTH 24% Fortified Calf Meal	Froid	5025	24.0	29.0			2.8	3.2	7.0	5.6
GTH 40% Fortified Feeders Concentrate	Froid	5018	40.0	40.3			3.5	5.8	7.0	7.0
GTH 20% Lay Mash	Froid	5033	20.0	22.3			3.0	4.4	7.5	7.5
Fortified 20% Poultry Breeder	Glasgow	†	20.0	20.9			3.5	4.2	7.5	8.4
20% Cattle & Sheep Pellets	Glasgow	5022	20.0	24.3	6.6	6.5	3.0	7.1	12.0	9.8
JOHN MORRELL CO.										
Ottumwa, Iowa										
Red Heart Brand Meat Meal	Wibaux	†	60.0	58.3			5.0	8.1	1.5	0.8
AMERICAN CRYSTAL SUGAR CO.										
McMordie, Minnesota										
Plain Sugar Beet Pulp	Glendive	†	7.5	9.4			0.3	0.7	22.5	22.5
HEMPHILL SOY PRODUCTS COMPANY										
Kennett, Missouri										
41% Soybean Oil Meal	Miles City	†	41.0	44.0			3.5	4.8	7.0	7.0
HELENA COTTON OIL CO.										
Helena, Arkansas										
Helena Brand Solvent Ext. 41% Cottonseed Meal or Pellets	Miles City	†	41.0	43.3			0.5	1.6	12.0	12.0
SIOUX SOYA MILLS										
Sioux City, Iowa										
"Su-Soya" 44% Soybean Oil Meal	Miles City	†	44.0	42.3			0.5	1.7	7.0	6.1

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Name & Address of Manufacturer with Brand Name	Place of Collection	Registration No.	Protein		Equivalent Crude Protein		Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
SHERIDAN FLOURING MILLS, INC. Sheridan, Wyoming										
Tomahawk Laying Mash	Hardin	4471	18.0	19.9			3.5	4.2	8.0	8.0
Tomahawk Cali Meal	Hardin	4476	18.0	22.5			3.0	3.8	3.5	3.5
AMSTERDAM STORE Amsterdam, Montana										
Amsterdam Special Egg Mash	Bozeman	4445	18.0	19.8			3.5	5.1	10.0	10.0
MONTANA FLOUR MILLS Great Falls, Montana										
Ceretene Egg Mash	Bozeman	4588	20.0	21.0			3.5	4.1	8.0	8.0
O. A. COOPER COMPANY Beatrice, Nebraska										
20% Egg	Hardin	5042	20.0	20.6			3.0	3.9	9.0	9.9
HONEYMEAD PRODUCTS CO. Mankato, Minnesota										
Honeymead Soybean Oil Meal	St. Ignatius	4957	44.0	47.9			0.5	1.1	7.0	5.8
J. G. BOSWELL CO. Litchfield Park, Arizona										
Bosco Brand 43% Protein Cottonseed Meal	St. Ignatius	4878	43.0	50.4			4.5	5.0	12.0	10.2
CARSTENS PACKING COMPANY Spokane, Washington										
Carsten's Meal Meal	Kalispell	4995	50.0	53.3			5.0	11.6	3.0	2.5
MONTANA VEGETABLE OIL & FEED CO. Great Falls, Montana										
34% Protein Linseed Meal	Kalispell	4208	34.0	34.4			3.5	4.4	9.0	9.0
25% Rape Seed Meal -75% Linseed Meal	Missoula	4211	36.0	36.0			3.5	5.9	9.0	9.9
CONSOLIDATED PRODUCTS CO. Danville, Illinois										
Kraft-A	Kalispell	†	25.0	24.6			4.0	4.9	2.0	1.2
PRODUCERS COTTON OIL CO. Fresno, California										
Producers' 41% Protein Cottonseed Cake	Ronan	5083	41.0	45.8			3.5	5.3	13.0	11.6
MESCO MILLS Missoula, Montana										
Flathead Dairy Feed	St. Ignatius	4317	12.0	13.8			2.0	2.3	12.0	8.1
Mesco Mills Dairy Feed 16%	St. Ignatius	4285	16.0	19.6			2.5	3.7	10.0	6.5
Mesco 16% Concentrate	St. Ignatius	4316	32.0	30.8			2.0	3.8	10.0	9.6
Mesco Dairy Concentrate 32%	St. Ignatius	4286	32.0	35.1			2.0	2.6	10.0	8.0
Mesco Hog Feeds	St. Ignatius	4304	13.0	15.0			2.5	2.7	10.0	8.3
Mesco Poultry Concentrate	St. Ignatius	4254	32.0	31.2			2.5	4.7	9.0	7.7
Turkey Pre- Starter Mash	Kalispell	4299	28.0	27.1			3.0	4.8	6.5	4.9
Gustin's Mixing Concentrate Egg Mash	Kalispell	4319	34.0	38.9			3.0	3.8	14.0	7.5
Mesco Turkey Developer	Kalispell	4301	20.0	21.1			3.0	3.3	8.0	8.0
Gustin's Mixers Chick Concentrate	Kalispell	4316	43.0	41.7			3.5	4.5	9.0	6.5
KALISPELL FEED & GRAIN Kalispell, Montana										
Flathead Dairy Feed	Kalispell	4831	16.0	17.5	4.8	2.2	2.5	4.1	10.0	8.3
Flathead Hog Feed	Kalispell	4828	14.0	13.3			2.5	2.8	10.0	6.1
Flathead Egg Mash	Kalispell	4832	20.0	20.9			3.0	3.8	8.0	7.0
Beef Fattener	Kalispell	†		11.4			4.7			
Flathead Hog Concentrate	Kalispell	4827	34.0	34.6			5.5	6.0	6.0	7.7
Flathead Hen Scratch	Kalispell	4824	11.0	11.7			5.0	5.1	7.5	4.6
Flathead High Energy Broiler Mash	Kalispell	4829	20.0	19.6			3.0	4.1	5.0	3.2
Flathead Chick Developing Scratch	Kalispell	4826		10.9			2.5			2.2
Flathead Hen Scratch	Libby	4824	11.0	11.8			5.0	5.5	7.5	3.7
Flathead Dairy Feed	Libby	4831	16.0	15.7	4.8	1.6	2.5	3.3	10.0	8.2
Flathead Egg Mash	Libby	4832	20.0	20.4			3.0	3.9	8.0	6.5
Flathead Chick Starting Mash	Libby	4825	9.0	11.2			3.0	4.0	3.0	2.0
Flathead Chick Starting Mash	Libby	4833	20.0	20.3			3.0	3.3	7.0	4.5
Flathead Developer Mash	Libby	4830	16.0	17.7			3.0	3.5	8.5	5.4

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Albert H. Kruse
Commissioner of Agriculture
State of Montana
Helena, Montana

COMMERCIAL FEEDS REPORT

Issued By

The Department of Agriculture, State of Montana, Helena, Montana
and

P. C. Gaines
Chemistry Research Department
Montana State College
Bozeman, Montana

The Agricultural Experiment Station, Montana State College, Bozeman, Montana
VOLUME 1, PAGE 15, DECEMBER, 1953

Name & Address of Manufacturer with Brand Name	Place of Collection	Registration No.	Protein		Equivalent Crude Protein		Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
GENERAL MILLS Minneapolis, Minnesota										
Sperry 18% Range Feed	Libby	4775	18.0	18.5	20	3.5	9.0	8.4		
Larco Sureabbit	Libby	4777	15.0	15.7	20	3.3	19.0	18.1		
Wheat middlings	Libby	4658	15.5	16.1	30	3.9	5.0	3.0		
Wheat Bran	Libby	4658	12.0	11.8	30	4.0	10.0	11.4		
Larco Surelay	Libby	4785	20.0	19.3	25	4.4	9.0	8.1		
Larco Surelay	Kellogg	4785	20.0	20.5	25	4.7	9.0	7.9		
Larco Sure Poultry Concentrate	Kellogg	4779	32.0	33.2	25	4.7	9.0	11.1		
Larco Surelift (Antibiotic Mix)	Kellogg	4767	20.0	22.2	25	3.5	7.0	5.1		
Larco Surepig	Kellogg	4765	20.0	21.0	25	3.8	4.5	4.5		
Larco Surelark 32%	Kellogg	4783	32.0	33.7	25	2.3	11.0	9.3		
Rex Pigery Feed	Kellogg	4673	16.0	15.3	30	3.6	12.5	8.0		
Rex Pig Egg Feed	Kellogg	4675	15.0	15.2	30	3.0	8.0	6.1		
Larco Calf Builder	Kellogg	†	24.0	24.9	20	3.1	6.0	4.4		
Larco Surecalf	Kellogg	4792	20.0	21.6	25	2.8	5.0	4.4		
Larco Sureseep	Kellogg	4765	14.0	16.1	25	2.7	10.0	8.3		
Larco Sure Pork Concentrate	Kellogg	4782	35.0	35.5	20	4.2	10.0	8.6		
Rex Chick Starter	Kellogg	4572	19.0	19.9	25	3.4	6.5	6.5		
Rex Egg Mash	Kellogg	4674	20.0	22.4	27	3.6	9.0	8.8		
Larco Surerabbit	Kellogg	4777	15.0	15.8	20	2.7	19.0	16.7		
Larco Chick Grains	Kellogg	4772	9.5	9.9	2.0	2.4	4.0	1.8		
MISSOURI RENDERING PLANT Missoula, Montana										
Meat & Bone Scraps	†			48.5			11.9		3.2	
PRODUCERS COTTON OIL COMPANY OF ARIZONA Phoenix, Arizona										
AFCO Brand Cottonseed Meal or Pellets	Missoula	4215	43.0	43.6	3.5	5.6	12.0	11.3		
WESTERN YEAST COMPANY Chillicothe, Illinois										
Western Live Yeast Culture	Missoula	4484	9.0	9.1	2.5	4.8	5.0	2.5		
DAWE'S MFG. COMPANY Chicago, Illinois										
Flavonne	Missoula	5079	31.0	40.1	1.0	1.6	6.0	5.2		
FISHEL PRODUCTS Kingsburg, California										
Super-Trate	Missoula	4881	50.0	53.0	6.0	3.5	5.0	4.2		
JOHN R. DAILY, INC. Missoula, Montana										
Daily's Meat & Bone Scraps	Missoula	4976	45.0	45.4	12.0	14.5	3.0	2.0		
HONEYMEAD PRODUCTS COMPANY Monkton, Minnesota										
"Tox Test" Soybean Oil Meal	Missoula	4957	44.0	45.0	0.5	4.4	7.0	6.4		
AMERICAN CRYSTAL SUGAR COMPANY Missoula, Montana										
Molasses Dried Beet Pulp	Missoula	4200	7.0	10.1	0.3	0.8	20.0	17.7		
BLITZ WEINHARD COMPANY Portland, Oregon										
Brewer's Yeast	Missoula	†	45.0	44.9	1.0	1.0	4.0	2.6		
LEDERLE LABORATORIES Pearl River, New York										
Aceto (Bacillus mycin)	Missoula	4540		21.5			4.3		10.0	
RAY EWING COMPANY Pasadena, California										
Ray Ewing Animal Mix	Missoula	†	10.0	21.9	2.0	4.1	8.0	3.8		
CHARLES PFIZER & COMPANY Chicago, Illinois										
Antibiotic Feed Supplement Dz	Missoula			0.7			2.6		10.3	

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P. C. Gaines
Chemistry Research Department
Montana State College
Bozeman, Montana

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VOLUME 1, PAGE 16, DECEMBER 1953

Name & Address of Manufacturer with Brand Name	Place of Collection	Registration No.	Protein		Crude Protein		Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
DAWE'S PRODUCTS COMPANY Chicago, Illinois										
Dawe's Sierol Ds †	Missoula	‡		34.5				1.7		15.8
RALSTON-PURINA COMPANY St. Louis, Missouri										
Chowmix Hog Feed	Kollspell	4690	13.0	14.0			2.5	2.7	9.0	5.1
Chowmix Laying Mash	Kollspell	4663	18.0	19.8			3.0	3.6	8.5	5.8
Chowmix 16% Dairy Feed	Kollspell	4691	16.0	19.2	2.0	0.3	3.0	3.0	8.0	6.9
Chowmix Chick Growing Mash B	Kollspell	4681	17.0	19.7			3.0	3.3	8.0	6.6
Chowmix Sow and Pig Feed	Kollspell	4689	14.0	17.2			3.0	3.5	7.0	6.2
Chowmix Broiler Growing Feed	Kollspell	4686	17.0	17.8			3.0	3.3	7.0	5.4
Purina Poultry Booster Checkers A	Kollspell	4395	24.0	25.2			2.5	3.7	8.0	7.6
Purina Sow and Pig Chow Suppl.	Kollspell	4345	32.0	35.2			2.0	4.7	9.0	6.0
Purina Hog Chow Supplement	Kollspell	4349	36.0	41.0			2.0	4.7	10.0	6.3
Purina Goat Chow	Kollspell	4374	16.0	24.8			2.0	2.0	10.0	7.1
Chowmix Laying Mash	Plains	4683	18.0	18.3			3.0	3.6	8.5	5.9
.005% 3-Nitro-4-Hydroxyphenylarsonic acid in Purina Broiler Chow Starter A	Missoula	4410	22.0	23.2			3.0	4.2	5.0	4.6
.005% 3-Nitro-4-Hydroxyphenylarsonic acid in Purina Chick Starter A	Missoula	4377	20.0	22.0			3.0	3.9	5.0	4.9
PLAINS FEED & GRAIN Plains, Montana										
Plains Sow & Pig Feed †	Missoula	‡		15.2				3.3		5.1
Plains Hog Feed †	Missoula	‡		14.2				3.6		6.2
MONTANA FLOUR MILLS Great Falls, Montana										
Ceretama Egg Mash	Missoula	4588	20.0	20.0			3.5	4.5	8.0	7.7
Ceretama Econo-Milk Dairy Ration	Missoula	4599	16.0	18.7	3.0	2.0	3.5	4.1	11.0	7.8
Ceretama Turkey Grower	Missoula	4582	20.0	22.7			4.0	5.5	7.0	7.8
Ceretama Sow & Pig Starter	Missoula	4597	17.0	18.0			4.0	4.1	7.0	7.0
Ceretama All Mash Starter & Developer	Missoula	4580	20.0	23.4			3.0	4.4	6.0	5.3
Ceretama Pig & Hog Supplement	Missoula	4595	32.0	33.8			4.5	6.4	10.0	9.3
Ceretama Pig & Hog Supplement	Missoula	4595	32.0	35.3			4.5	6.1	10.0	9.5
Ceretama Hen Scratch	Missoula	4578	10.5	11.6			2.0	2.9	4.0	3.8
Ceretama Stein Fattener	Missoula	4600	15.0	17.1		3.6	3.5	3.3	10.0	7.6
Ceretama Hi-Power 32% Dairy Mix Concentrate	Missoula	4608	32.0	34.8	8.7	11.3	3.0	3.9	9.0	9.0
Ceretama Hog Fattener	Missoula	4598	14.0	13.3			3.5	2.8	7.0	6.7
Ceretama Hi-Power 32% Poultry Concentrate	Missoula	4590	32.0	34.8			4.5	5.5	8.5	8.5
Ceretama Baby Chick & Turkey Scratch	Missoula	4576	10.0	10.2			2.0	2.1	4.0	2.0
Ceretama Intermediate Scratch Feed	Missoula	4577	10.0	10.4			2.0	3.1	4.0	2.1
Ceretama Pig & Hog Grower	Missoula	4596	15.0	16.2			3.0	3.9	9.0	8.2
Ceretama Turkey Finishing Mash	Missoula	4583	18.0	23.6			3.5	4.7	7.0	7.0
Ceretama 28% Turkey Starting Mash	Missoula	4581	28.0	28.6			4.0	4.9	8.0	5.6
Ceretama Triple M Cubes	Missoula	4603	14.0	15.1			3.5	4.0	10.0	7.2
Ceretama Calf Grower Pellets	Missoula	4591	20.0	21.8			3.5	4.8	9.0	7.4
Montco Hard Wheat Mixed Feed	Missoula	4610	15.0	18.4			4.0	5.5	9.5	9.2
Montco Bran	Missoula	4612	15.0	17.3			3.0	5.1	12.0	10.7
Montco Middlings	Missoula	4611	15.0	17.7			4.0	5.5	9.5	5.9
Hi-Calorie Broiler Ration	Missoula	4586	20.0	22.5			4.5	4.1	4.0	5.3
MISCO MILLS Missoula, Montana										
Dairy Feed 16%	Missoula	4285	16.0	19.5			2.5	3.1	10.0	7.2
Econo-Dairy Feed 16%	Missoula	4324	16.0	17.0	5.3	4.4	2.5	3.2	10.0	8.5
All Purpose Mash	Missoula	4289	17.0	19.3			2.5	4.0	8.0	6.7
Rabbit Pellets	Missoula	4313	16.0	16.8			2.0	3.2	18.0	17.4
Super Lay	Missoula	5088	16.5	18.3			3.0	3.6	4.0	3.5
Chick Starter Mash	Missoula	4287	18.0	19.0			3.0	4.2	7.0	7.0
High Protein Supplement	Missoula	4308	32.0	32.5			2.0	4.0	10.0	12.3

Albert H. Kruse
Commissioner of Agriculture
State of Montana
Helena, Montana

COMMERCIAL FEEDS REPORT

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The Department of Agriculture, State of Montana, Helena, Montana
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The Agricultural Experiment Station, Montana State College, Bozeman, Montana

VOLUME 1, PAGE 17, DECEMBER, 1953

P. C. Gaines
Chemistry Research Department
Montana State College
Bozeman, Montana

Name & Address of Manufacturer with Brand Name	Place of Collection	Registration No.	Protein		Equivalent Crude Protein		Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
MISCO MILLS Missoula, Montana										
Turkey Developer	Missoula	4301	20.0	20.7			3.0	3.7	8.0	8.0
Breeder Fitting Pellets	Missoula	†	30.0	33.5			4.0	3.6	8.0	10.0
Chicken Breeder & Cage Layer Feed	Missoula	4293	20.0	22.9			3.0	3.3	9.0	8.0
Shoemaker	Missoula	4315	11.0	11.8			2.5	4.0	9.0	5.2
Grain Rabbit Pellets	Missoula	4314	15.0	17.2			3.0	4.0	8.0	7.4
High Energy Broiler Feed	Missoula	4290	22.0	21.6			3.0	4.0	4.0	4.0
Developer Mash	Missoula	4288	15.0	21.5			3.0	4.3	8.0	8.0
Calf Finishing Pellets	Missoula	4293	15.0	16.2			3.0	3.2	9.0	5.4
Dairy Feed 14%	Missoula	4284	14.0	16.2			2.5	3.4	10.0	7.3
Hog Concentrate	Missoula	4295	32.0	31.6			2.0	3.6	10.0	9.9
Dairy Concentrate 32%	Missoula	4286	32.0	35.4			2.0	3.5	10.0	7.8
20% Egg Mash	Missoula	4291	20.0	21.8			3.0	3.7	8.0	7.0
Poultry Concentrate	Missoula	4294	32.0	31.7			2.5	4.5	9.0	10.5
Calf Weaner Pellets	Missoula	4282	16.0	18.4			3.0	3.6	9.0	7.6
Pellet 20%	Missoula	4307	20.0	19.8			2.5	3.2	9.0	8.3
Econo-Cakes	Missoula	4223	20.0	21.5	6.6	5.9	2.5	2.5	9.0	6.7
Soys & Pigs Builder	Missoula	4305	16.0	17.2			2.5	3.3	9.0	7.8
Turkey Developer	Missoula	4301	20.0	20.3			3.0	3.5	8.0	7.9
Turkey Developer Finisher Mash	Missoula	4302	27.0	27.1			3.0	3.9	8.0	8.0
Rum-Ration	Missoula	4944	12.5	14.2	6.6	2.0	2.5	3.5	8.5	8.2
Beef Finisher	Missoula	4310	13.5	16.0			3.5	3.0	9.0	4.1
Calf Meal	Missoula	4280	22.0	24.8			2.5	3.1	8.0	6.0
Calf Pellets	Missoula	4280	22.0	24.2			2.5	3.1	7.0	6.0
Hog Feed	Missoula	4304	13.0	15.4			2.5	2.8	10.0	8.0
Herd Bull Pellets	Missoula	†	16.0	18.1			2.5	3.2	9.0	6.1
4 Grain Scratch Feed	Missoula	4298	9.0	10.9			2.5	4.2	6.0	5.1
Developer Scratch	Missoula	4296	9.0	10.1			2.5	3.5	5.0	2.3
Scratch Feed	Missoula	4297	9.0	9.6			2.5	3.0	5.0	2.2
RAVALLI FEED & SEED Hamilton, Montana										
Ravalli No. 2 Egg Mash	Hamilton	4179	18.0	20.6			3.6	4.0	7.2	6.4
Ravalli Growing Mash	Hamilton	4177	16.0	17.8			3.6	4.1	7.6	5.7
Ravalli No. 1 Egg Mash	Hamilton	4180	19.0	19.5			3.7	4.0	7.0	5.8
Ravalli Dairy Feed	Hamilton	4178	15.0	16.8			3.7	3.5	12.0	7.6
Ravalli Hog Feed	Hamilton	†	10.8				2.9		4.3	
Ravalli Growing Mash	Hamilton	4177	—	17.7			3.8		5.5	
LAKE MILLING COMPANY Ronan, Montana										
Diamond Hi-Energy Mash	Ronan	4261	23.0	23.1			2.5	3.8	4.0	4.0
Diamond Calf Pellets	Ronan	4271	25.0	27.2			3.0	3.0	7.0	8.5
Diamond Calf Finishing Pellets	Ronan	4262	15.0	16.2			3.5	3.4	8.0	6.5
Diamond Growing Mash	Ronan	4259	18.0	18.0			3.5	4.3	8.0	7.9
Diamond Premium Egg Pellets	Ronan	4260	20.0	20.2			3.5	4.2	7.0	5.9
Diamond High Vit-A Range Pellets	Ronan	4614	13.0	13.0			2.5	3.3	11.0	10.0
Diamond Hi-Protein Supplement	Ronan	4268	32.0	27.9			3.5	3.0	11.0	6.6
Diamond Dairy Feed 14%	Ronan	4266	14.0	14.3			3.0	3.1	7.0	4.4
Diamond 16% Dairy Feed	Ronan	4265	16.0	15.3			3.0	3.1	8.0	4.7
Diamond Pasture Fattening Pellets	Ronan	4272	11.0	10.5			2.0	2.6	8.0	7.7
Diamond Calf Growing Pellets	Ronan	4271	15.0	16.4			3.5	2.5	10.0	6.3
Diamond Beef Finisher Pellets	Ronan	4270	13.0	14.0			2.5	3.2	7.0	5.2
Diamond Range 20% Cubes	Ronan	4269	20.0	18.9			2.5	3.0	8.0	6.1
Diamond Poultry Concentrate	Ronan	4278	32.0	33.4			3.0	4.3	8.0	8.0
Diamond Dairy Concentrate	Ronan	4267	32.0	35.6			3.5	3.7	10.0	8.9
Diamond Hog Concentrate	Ronan	4273	40.0	38.5			4.5	4.8	6.5	6.5
Diamond Hog Fattener	Ronan	4263	13.0	13.7			2.5	3.6	8.0	7.4
Diamond Green Rabbit Pellets	Ronan	4274	13.0	12.2			2.5	2.3	11.0	12.9
ARMOUR & COMPANY Chicago, Illinois										
Armour Blood Meal	Ronan	4176	80.0	81.7			0.0	3.5	2.0	0.9

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VOLUME I, PAGE 18, DECEMBER, 1953

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Bozeman, Montana

Name & Address of Manufacturer with Brand Name	Place of Collection	Registration No.	Protein		Crude Protein		Equivalent Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
THE BORDEN COMPANY New York, New York										
MF-FI Blend	Ronan	4622	40.0	43.3			1.0	2.5	6.5	5.0
HoPro 85D for Hog Feeds	Ronan	4670	43.0	43.0			2.5	5.2	6.0	4.7
Cow Pro for Calf Meals	Ronan	4618	35.0	41.1			2.5	5.7	6.0	5.3
Ladpro Poultry Feed Supplement	Ronan	4621	50.0	47.9			2.0	2.8	6.0	4.7
Floydry Poultry Feed Supplement	Ronan	4619	35.0	42.7			.5	1.5	6.0	4.9
Bosopro Vit. A & D Supplement	Ronan	4617	35.0	41.8			4.0	5.9	7.5	5.8
HILL MILLING COMPANY Terreton, Idaho Allalf Meal										
	Ronan		15.0	15.1			2.0	2.4	28.0	28.0
MISSOULA RENDERING COMPANY Missoula, Montana Meat & Bone Scraps										
	Ronan	‡		53.0				11.9		2.7
NELSON BROTHERS FISHERIES, LTD. Vancouver, B.C. Fish Meal										
	Ronan	‡		72.8				5.8		.7
ROGERS BROS. SEED CO. Dillon, Montana										
Rogers Laying Mash	Dillon	4527	20.0	21.1			3.0	4.1	7.0	7.0
Rogers Laying Meal	Dillon	4527	20.0	22.3			3.0	3.3	7.0	7.0
Rogers Rabbit Pellets	Dillon	4524	14.0	14.0			2.0	2.3	16.0	16.0
Rogers 20% Sheep & Cattle Pellets	Dillon	4522	20.0	20.5		3.6	2.0	2.6	9.0	5.6
Rogers 20% Fortified Sheep & Cattle Pellets	Dillon	4528	20.0	21.6			2.0	3.3	9.0	8.1
Chick Growing Mash	Dillon	4525	19.0	19.7			3.0	4.1	6.0	6.6
VOLLMER & SONS Bozeman, Montana Gromed										
	Manhattan	‡	50.0	50.9			10.0	10.7	3.0	3.0
QUAKER OATS COMPANY Chicago, Illinois										
Ful-O-Pep Fitting Feed	Livingston	4715	14.0	15.4			3.0	3.0	10.0	9.5
Ful-O-Pep Rabbit Pellets	Manhattan	4721	16.0	16.9			2.0	2.5	18.0	15.9
Ful-O-Pep Egg Breeder Mash	Manhattan	4737	20.0	21.5			3.5	4.1	8.0	7.8
SIOUX SOYA MILLS Sioux City, Iowa "Su Soy" Soybean Oil Meal										
	Manhattan	‡		40.8				1.3		7.2
OCCIDENT ELEVATOR Billings, Montana Sunburst 20% Stock Cubes										
	Livingston	4640	20.0	21.4	4.0	3.6	3.0	3.1	9.5	6.4
MISCO MILLS Missoula, Montana Grain Pellets										
	Livingston	4309	11.0	11.9			2.0	2.2	10.0	6.8
pasture Finisher	Livingston	4311	11.0	12.0			2.0	2.5	10.0	5.7
Turkey Finisher	Livingston	4303	17.0	17.7			3.0	3.6	8.0	6.7
MONTANA FLOUR MILLS Great Falls, Montana Cerefeca 36% Range Pellets										
	Livingston	4609	36.0	36.2	8.75	4.8	3.0	3.7	9.0	9.0
BIEBER FEED & GRAIN CO. Big Timber, Montana										
Excellent 16% Dairy Feed	Big Timber	4997	16.0	18.3			2.5	3.5	10.0	9.9
Excellent Growing Mash	Big Timber	4450	17.0	17.9			3.0	3.3	8.0	7.5
Excellent Egg Mash	Big Timber	4451	18.0	20.1			3.0	4.2	8.5	5.8
RUSSELL MILLER MILLING CO. Minneapolis, Minnesota										
Occident Hard Wheat Mixed Feed	Big Timber	4981	15.0	18.0			4.0	4.3	9.5	8.6
Elmer Hard Wheat middlings	Big Timber	4982	15.0	16.9			4.0	4.6	8.5	6.9

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Albert H. Kruse
Commissioner of Agriculture
State of Montana
Helena, Montana

COMMERCIAL FEEDS REPORT

Issued By

The Department of Agriculture, State of Montana, Helena, Montana

P. C. Gaines
Chemistry Research Department
Montana State College
Bozeman, Montana

The Agricultural Experiment Station, Montana State College, Bozeman, Montana

VOLUME L PAGE 19, DECEMBER, 1953

Name & Address of Manufacturer with Brand Name	Place of Collection	Registration No.	Protein		Equivalent Crude Protein.		Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
GREAT WESTERN SUGAR COMPANY										
Billings, Montana B. W. Dried Molasses Beet Pulp	Big Timber	4183	7.8	10.9			0.3	0.8	23.0	18.1
COLORADO MILLING ELEVATOR, RANCH WAY DIVISION										
Denver, Colorado Ranch Way Hi Energy Cattle & Sheep Pellets .. 32% Equivalent Cattle & Sheep Pellets .. Ranch Way 40% Hog Supplement Pellets	Bridger	4958	11.0	13.1	Bridger	4959	32.0	26.0	10.6	0.0
	Bridger	4960	40.0	41.0			2.0	3.4	2.5	8.0
							2.5	3.1		6.7
GOLDEN MILLS										
West Fargo, North Dakota Goldena 17% Calf Chops	Miles City	4323	17.0	21.6			2.5	3.8	7.5	7.5
SEAMAN'S ELEVATOR										
Red Lodge, Montana Seaman's Egg Mash	Red Lodge	4663	18.0	20.5	Red Lodge	4664	20.0	23.3	3.5	3.8
Seaman's 20% Egg Mash	Red Lodge	4664	20.0	23.3			2.75	3.8	7.25	9.0
Seaman's Hog Balancer	Red Lodge	4662	30.0	33.2	Red Lodge	4663	30.0	33.2	3.25	4.3
Seaman's Chick Starter Mash	Red Lodge	4661	20.0	21.9	Red Lodge	4662	20.0	21.9	3.13	3.6
Seaman's Dairy & Beef Supplement	Red Lodge	4666	34.0	35.5	Red Lodge	4667	34.0	35.5	2.15	3.0
Seaman's Dairy Feed	Red Lodge	4665	14.0	14.9			4.0	4.0	8.5	7.0
THE BUCKEYE COTTON OIL COMPANY										
Cincinnati, Ohio Buckeye 41% Hydraulic Soybean Oil Meal	Hardin	4214	41.0	44.7			3.5	5.2	7.0	6.6
O. R. COOPER COMPANY										
Beatrice, Nebraska Lucky Seven 4% Range Feed	Hardin	5040	41.0	42.1	Hardin	5041	39.7	20.0	13.58	13.2
32% Dart-Rich Meal	Hardin	†	32.0	39.7			20.8	20.8	3.0	3.6
16% Dart-Roller	Hardin	5047	16.0	20.2	Hardin	5048	16.0	20.2	3.5	4.4
32% Lucky Range Breeder	Hardin	5039	32.0	36.1	Hardin	5049	32.0	33.7	3.5	4.1
32% Mash Builder Concentrate	Hardin	5048	32.0	33.7	Hardin	5049	16.0	16.9	3.5	4.1
Chick Grower	Hardin	5049	16.0	16.9	Hardin	5044	20.0	25.4	6.65	5.4
20% Lucky Corn Cake	Hardin	5044	20.0	25.4			2.5	4.8	3.0	8.5
18% Egg	Hardin	5041	18.0	18.9	Hardin	5041	18.0	18.9	3.0	3.6
Lucky Laddie Calf Starter	Hardin	†	24.0	28.4	Hardin	5042	24.0	28.4	3.0	3.5
44 Hi-Power Hog Supplement	Hardin	5065	44.0	44.9			3.0	3.1	8.0	11.0
MONTANA FLOUR MILLS										
Great Falls, Montana Cereolan Bar-O-Mineralized Cubes	Big Timber	4604	12.0	12.7			3.0	2.7	10.0	5.5
PIERCE PACKING COMPANY										
Billings, Montana Meat Scraps & Bone Meal	Big Timber	4483	50.0	54.0			8.5	8.5	3.5	3.4
RALSTON PURINA COMPANY										
St. Louis, Missouri Chowmix Range Cube 20% B	Dillon	4697	20.0	22.8	Dillon	4698	50.0	51.0	6.5	5.3
Purina Range Premix	Dillon	†	50.0	51.0			26.0	25.8	1.0	2.6
Purina Pig Starters	Dillon	4346	18.0	20.3			3.0	3.0	6.0	5.8
COLORADO MILLING & ELEVATOR CO.										
Denver, Colorado Wheat Mixed Feed & Ground Wheat Screenings	Dillon	†	14.5	17.5			3.5	4.3	8.5	7.5
VAN WALTERS & ROGERS, INC.										
Los Angeles, California Red Brand Vitamin Supplement for Cattle & Swine	Dillon	†	23.0	30.7			3.5	4.7	6.0	6.0
GENERAL MILLS, INC.										
Minneapolis, Minnesota Soybean Oil Meal	Dillon	4676	44.0	46.0			0.5	1.6	7.0	6.1

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VOLUME I, PAGE 20, DECEMBER 1953

DOG FOODS

Name & Address of Manufacturer with Brand Name	Place of Collection	Registration No.	Protein		Moisture		Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
RALSTON PURINA COMPANY St. Louis, Missouri										
Purina Dog Chow Kibbled Meal	Bozeman	4368	24.0	24.4			5.0	5.5	5.0	3.8
Purina Dog Chow Checkers	Bozeman	4367	24.0	25.7			5.0	7.0	5.0	5.0
VITAMONT SALES COMPANY Butte, Montana										
Vitamont Blue Ribbon Dog Food	Bozeman	4233	11.0	9.3	74.0	73.8	3.0	2.2	1.0	0.7
ALBERS MILLING COMPANY Los Angeles, California										
Friskies Dog Food	Bozeman	4174	10.0	12.0	74.0	67.9	2.5	5.1	1.0	0.8
Friskies Dog Food Cubes	Bozeman	4172	24.0	23.8			5.0	5.6	4.0	4.0
NATIONAL BISCUIT COMPANY New York, New York										
Milk Bone Small Size Dog Biscuit	Bozeman	4186	21.0	21.7			1.5	3.0	2.5	2.5
Pal Dog Biscuit	Bozeman	4188	11.5	20.9			1.5	2.2	2.5	3.3
KELLOGG COMPANY Battle Creek, Michigan										
Kellogg's Gro-Pup Ribbon Dog Food	Bozeman	4505	24.0	24.0			3.5	3.6	5.0	5.6
GENERAL FOODS CORP., GAINES DIVISION Kankakee, Illinois										
Gaines Krunchon Cubes	Bozeman	4207	25.0	24.4			6.0	6.7	5.0	5.0
CENTENNIAL FLOURING MILLS COMPANY Seattle, Washington										
Frolics Dog Food	Bozeman	4194	24.0	27.6			3.5	4.5	6.0	5.3
SPRATT'S, LTD. San Francisco 3, California										
Spratt's Pupplac	Billings	‡	27.28	26.7	2.25	2.1	26.0	26.4		
HARTZ MOUNTAIN PRODUCTS New York 3, New York										
Dog Yummies	Billings	5013	25.5	33.1	6.5	6.4	2.4	8.2	5.9	3.9
ARCHER-DANIELS-MIDLAND COMPANY Minneapolis, Minnesota										
Archer Dog Food	Miles City	‡	22.0	26.8			4.0	5.6	4.0	4.0
SWIFT & COMPANY Chicago, Illinois										
Swift's Pard Meal	Missoula	4456	26.0	27.7			7.5	8.0	5.0	4.0



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VOLUME L PAGE 21, DECEMBER 1953

MINERAL FEEDS

Name and Address of Manufacturer with Brand Name	Place of Collection	Registration No.	Calcium		Phosphorus		Iodine		Salt	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
FARMERS UNION GRAIN TERMINAL ASS'N. Great Falls, Montana										
GTR Pig and Hog Mineral.....	Bozeman	4871	25.0							
			22.0	23.7	4.5	4.1	.05	.09	11.5	8.23
GTR All Purpose Mineral.....	Bozeman	4874	23.0							
			23.5	21.4	5.3	4.3	.046	.047	13.5	7.94
GTR Range Mineral.....	Bozeman	4979	27.5	28.13						
			20.0	21.1	6.5	5.2	.055	.045	12.0	11.5
GTR Hi-Phos Mineral.....	Bozeman	4873	15.5							
			16.5	18.7	10.0	8.4	.05	.13	10.0	9.9
RRLSTON PURINA COMPANY St. Louis, Missouri										
PURINA Livestock Mineral.....†	Bozeman	4334	12.5	20.3	6.0	7.3	.0075	.0081	40.0	35.6
MORTON SALT COMPANY Salt Lake City, Utah										
Iodized Salt.....	Bozeman	4240								
Salt with Mono and Di Calcium Phosphate.....†	Bozeman	‡	3.2	2.9	3.0	8.5	.007	.009	86.6	70.7
Sulphurized Salt.....	Bozeman	5053							97.0	98.2
CUDAHY PACKING COMPANY Los Angeles, California										
CUDAHY'S All Purpose Mineral Feed.....†	Bozeman	4245	15.0	15.3	4.5	5.0	.03	.16	30.0	28.9
SHERA CHEMICAL CORPORATION Columbus, Tennessee										
Shea Dicalcium Phosphate.....†	Bozeman	4979	27.5	28.13	18.0	21.0				
VICTOR CHEMICAL WORKS Chicago 4, Illinois										
Dicalcium Phosphate Stock Food Grade.....	Bozeman	‡	30.0							
			27.0	28.8	21.0	21.1				
SWIFT & COMPANY Chicago, Illinois										
Swift's Mineral Supplement.....†	Bridger	4247	25.0	30.0	4.5	5.1	.003	.012	20.0	18.0
SHERIDAN FLOURING MILLS Sheridan, Wyoming										
Tomahawk 14.25% Mineral Mix.....†	Hardin	4482	25.0	31.1	14.2	14.2	.095	.1	3.0	2.4
NIXON & COMPANY Omaha, Nebraska										
Hy-Phos Special Range Mineral.....	Hardin	4990	24.0							
			30.0	26.7	10.0	10.0	0.015	0.04	5.0	4.7
CALCIUM CARBONATE COMPANY Chicago, Illinois										
"CCC" Stabilized-Iodized Trace Mineral.....	Sidney	4978	2.65							
			2.85	2.7						
CAREY SALT COMPANY Hutchinson, Kansas										
Carey's Salt Block with Trace Minerals.....	Froid	4243								
FARMERS UNION OF WILLISTON Williston, North Dakota										
Plant-Phos GTR Minerals.....	Chinook	5016	11.0	14.0	14.5	15.0	15.0	.015	.014	5.0
DR. HESS & CLARK, INC. Ashland, Ohio										
Dr. Hess Hog Special.....†	Hamilton	‡	15.0	24.1	3.5	5.2	.05	.02	23.0	16.3
Pen-A-Min G.....†	Havre	4448	21.0	27.2	3.5	4.3	.04	.04	10.0	10.7

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P. C. Gaines
Chemistry Research Department
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VOLUME L PAGE 22, DECEMBER, 1953

MINERAL FEEDS

Name and Address of Manufacturer with Brand Name	Place of Collection	Registration No.	Calcium		Phosphorus		Iodine		Salt	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
INTERNATIONAL ELEVATOR CO. Minneapolis, Minnesota Star-Hi Plus Mineral.....	Glendive	4921	12.0	14.5	14.0	17.5	.003	.004	5.0	3.4
Star-Hi All Purpose Mineral.....†	Glasgow	4922	21.0	26.0	5.5	5.5	.006	.009	17.0	16.2
Star-Hi Mineralized Salt with Iodine....†	Glasgow	4919	6.0	7.0	1.3	1.1	.006	.01	80.0	80.0
C. A. McCLELLAN LABORATORY CORP. Los Angeles, California McClellan's Rex Poultry Powder.....†	Hamilton	‡	28.0	28.2	.5	1.3	.13	.2	12.0	12.5
NIXON & COMPANY Omaha, Nebraska Hy-Phos Special Range Mineral.....	Wibaux	4990	24.0 30.0	27.4	10.0	11.7	.015	.018	5.0	4.8
NORTH DAKOTA MILL & ELEVATOR Grand Forks, North Dakota Dakota Maid High Phosphorus Mineral.....†	Culbertson	‡	28.0	28.0	14.0	14.0	.04	.034	10.0	8.4
OELWEIN CHEMICAL COMPANY Oelwein, Iowa Occo Mineral Compound for Sheep.....	Chinook	4253	19.17 17.17	17.5	3.22	3.0	.01	.01	15.0	13.0
Occo Mineral for Hogs.....	Chinook	4254	15.0 17.0	15.6	4.0	4.6	.01	.01	0.00	0.00
Occo Mineral for Dairy Cows and Calves.....	Chinook	4252	18.0 20.0	20.0	4.5	4.9	.01	.01	8.0	10.8
Occo Mineral for Beef Cattle.....	Chinook	4249	18.0 20.0	19.7	4.5	5.7	.01	.009	8.0	7.0
J. PAUL SMITH CO. Fort Worth, Texas Special Steamed Bone Meals.....†	Circle	4191	31.0	36.0	14.0	15.0				
J. R. WATKINS CO. Winona, Minn. Watkins Poultry Mineral Compound.....	Hamilton	‡	25.0 27.0	25.6	6.0	6.0	.008	.007	10.0	10.0
DR. MACDONALD'S VITAMINIZED FEED CO. Fort Dodge, Iowa Dr. Macdonald's Vy-Tab-O-Lator for Beef Cattle	Manhattan	4925	19.0 21.0	20.2	4.0	4.6	.0625	.64	20.0	19.8
KAY DEE FEED CO. Sioux City, Iowa Worth-Mor Miner-A-Zene Special Sheep Mineral Feed Blocks	Livingston	‡	4.0 6.0	6.0	1.0	1.0	.05	.05	72.0	70.0
Worth-Mor Miner-A-Lax Block	Livingston	‡	20.0 24.0	20.0	2.0	2.0	.05	.06	26.0 29.0	28.8
FOXBLIT, INC. Sioux City, Iowa Western VYM	Livingston	4876	14.0 15.0	14.0	5.0	5.0	.0125	.013	None	None
MONSANTO CHEMICAL CO. St. Louis, Mo. Mono Sodium Phosphate	Livingston	‡					26.4			
SWIFT & CO. Chicago, Ill. Swift's Steamed Bone Meal.....	Livingston	4948	25.5 29.0	27.0	12.0	12.7	T.	T.	.25	T.
DR. HESS & CLARK Ashland, Ohio Dr. Hess' Feed Builder for Poultry.....†	Big Timber	4447	20.0	31.8	12.0	12.2	0.05	.06		

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VOLUME I PAGE 23, DECEMBER, 1953
MINERAL FEEDS

Name and Address of Manufacturer with Brand Name	Place of Collection	Registration No.	Calcium		Phosphorus		Iodine		Salt	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
THE CUDAHY PACKING CO. Omaha, Neb.										
All Purpose Mineral Feed Block.....†	Big Timber	4432	15.0	27.5	4.5	4.5	0.03	.03	30.0	27.0
MOORMAN MFG. CO. Quincy, Illinois			22.0						9.0	
MoorMan's Special Range Mineral Feed.....	Dillon	4819	25.0	22.0	7.0	8.0	.017	.017	11.0	9.3
MoorMan's Min-O-Phone.....†	Dillon	4820	18.0	26.4	5.0	5.9	.017	.02	23.5	26.3
MARBLEHEAD LIME CO. Chicago, Ill.			20.0							
Marblehead Mineral Block.....	Dillon	4883	25.0	24.4	4.0	4.3	.038	.058	30.0	29.3
SEARMAN ELEVATOR Red Lodge, Montana										
Seaman's Soluble All Purpose Mineral.....	Red Lodge	4667	31.0 29.0	31.0	1.5	1.3	0.012	0.012	10.0	9.6
HERMAN NAGEL CO. Chicago 4, Illinois										
Nagel's Formula B.....†	Red Lodge	‡	18.0	17.8	15.0	15.0	0.15	0.15	0.00	0.00
GOLDENA MILLS West Fargo, North Dakota										
Goldena Mineral Feed.....†	Miles City	4328	17.50	24.5	4.0	3.9	.02	.02	6.0	5.2
INTERNATIONAL ELEVATOR Minneapolis, Minnesota										
Star Hi Phos Plus Mineral.....	Miles City	4921	12.0 14.5	13.4	17.5	17.3	.003	.007	5.0	4.6
CAREY SALT CO. Hutchinson, Kansas										
Carey's Special Mineral Suppl. with Salts.....	Brookings	4244	4.7 5.6	4.7	4.5	5.3	.007	.009	79.0	78.2
CONSOLIDATED CHEMICAL INDUSTRIES, INC. San Francisco, California										
Digesta Bone.....†	Bozeman	4521	30.0	31.0	14.0	14.1				
MISCO MILLS, Div'n. of Centennial Flouring Mills Missoula, Montana										
Misco Mineral.....	Bozeman	4321	24.0 20.0	20.8	15.0	14.4	.017	.024	10.0	9.8
WHITE STAR CONCENTRATE CO. Portland, Oregon										
Hy-Po Trace Minerals.....†	Bozeman	4945	30.0	30.5			.35	.13		
H. J. BAKER BRO. New York, N. Y.										
Curacao Fluorine Phosphate.....†	Bozeman	‡	34.0	41.7	14.0	14.2				
KORINEK LABORATORY San Francisco and Portland										
Dr. C. J. Korinek Sunshine Mineral.....†	Bozeman	‡	14.0	28.3	5.0	5.0	.06	.07	20.0	17.4
MONTANA FLOUR MILLS COMPANY Great Falls, Montana										
Ani-Min-Rel.....	Bozeman	4607	23.0 20.0	21.0	15.0	17.1	.0011	.05	10.0	8.4
FARMERS UNION & GRAIN SUPPLY Williston, North Dakota										
GTA Vitamin Mineral Suppl.....†	Billings	5017	20.0 14.0	18.8	7.0	7.8	.04	.09	10.0	9.3
GTA Plant-Phos.....	Billings	5016	11.0 14.0	14.0	15.0	14.0	.015	.037	5.0	3.9

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REGULAR FEEDS WITH OVER 10% ADDED MINERAL
VOLUME I PAGE 24, DECEMBER, 1954

Name and Address of Manufacturer with Brand Name	Place of Collection	Registration No.	Protein		Equivalent Crude Protein		Fat		Fiber		Calcium		Phosphorus		Iodine		Salt	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
CUDHOY PACKING Omaha, Nebraska																		
All Purpose Mineral	Wlbaux	4433	3.0	5.6							22.0						8.0	
All Purpose Mineral	Circle	4433	3.0	4.2							23.0	22.8	6.0	6.0	.003	.05	10.0	8.1
All Purpose Mineral Feed	Circle	4245	4.5	5.5							25.0	25.2	6.0	6.0	.03	.043	3.0	3.0
FARMERS UNION OF WILLISTON Williston, North Dakota											15.0	25.5	4.5	4.5	.03	.04	30.0	28.7
GTR Fortified Mineral	Wolf Point	5017	2.0	1.8							20.0							
											14.0	16.6	7.0	8.0	.04	.04	10.0	6.8
I INTERNATIONAL ELEVATOR CO. Minneapolis, Minnesota																		
Star Hi Hog Concentrate	Gladive	4918	32.0	33.6			2.0	4.5	7.5	8.3	6.5	8.5	1.5	1.5	.002	.001	4.0	5.0
Star Hi Poultry Conc.	Gladive	4996	34.0	33.2			2.0	4.2	8.5	9.5	6.0	7.5	1.5	1.5	.003	T	2.5	2.5
Star Hi Poultry Conc.	Glasgow	4996	34.0	34.3			2.0	3.7	8.5	8.5	6.0	6.8	1.6	1.6	.003	.0003	2.5	1.1
Star Hi Hog Concentrate	Glasgow	4918	32.0	32.0			2.0	4.9	7.5	7.5	6.5	8.7	1.5	1.5	.002	.002	4.0	2.0
MUK RIVER ELEVATOR Chinook, Montana																		
Star White Range Premix	Chinook	‡	50.0	54.5	26.0	28.9	1.0	2.4	8.0	7.4	3.0	3.8	2.0	2.6			4.0	2.1

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